



MARINE&OFFSHORE CABLE (NEK606)

Halogen Free and Mud Resistant Cable



THE WORLD BEST CABLE SOLUTION LEADER

LS Cable & System supplies various cables and materials used for power grids and communication networks around the world across all industries providing its top class technology and excellent quality. The company has also developed state of the art products, such as superconductors, HVDC and submarine cables that will lead the future energy industry.

LS spun off from LG in 2003 as a group specializing in electronics, electrical systems, energy and materials.



LS Cable & System

Transmission Cable
Distribution Cable
Submarine Cable
Telecommunication Cable
Industrial Cable
Industrial Material

LSELECTRIC

Electric &
Automatic Equipments

LS-Nikko Copper

Copper Refinement

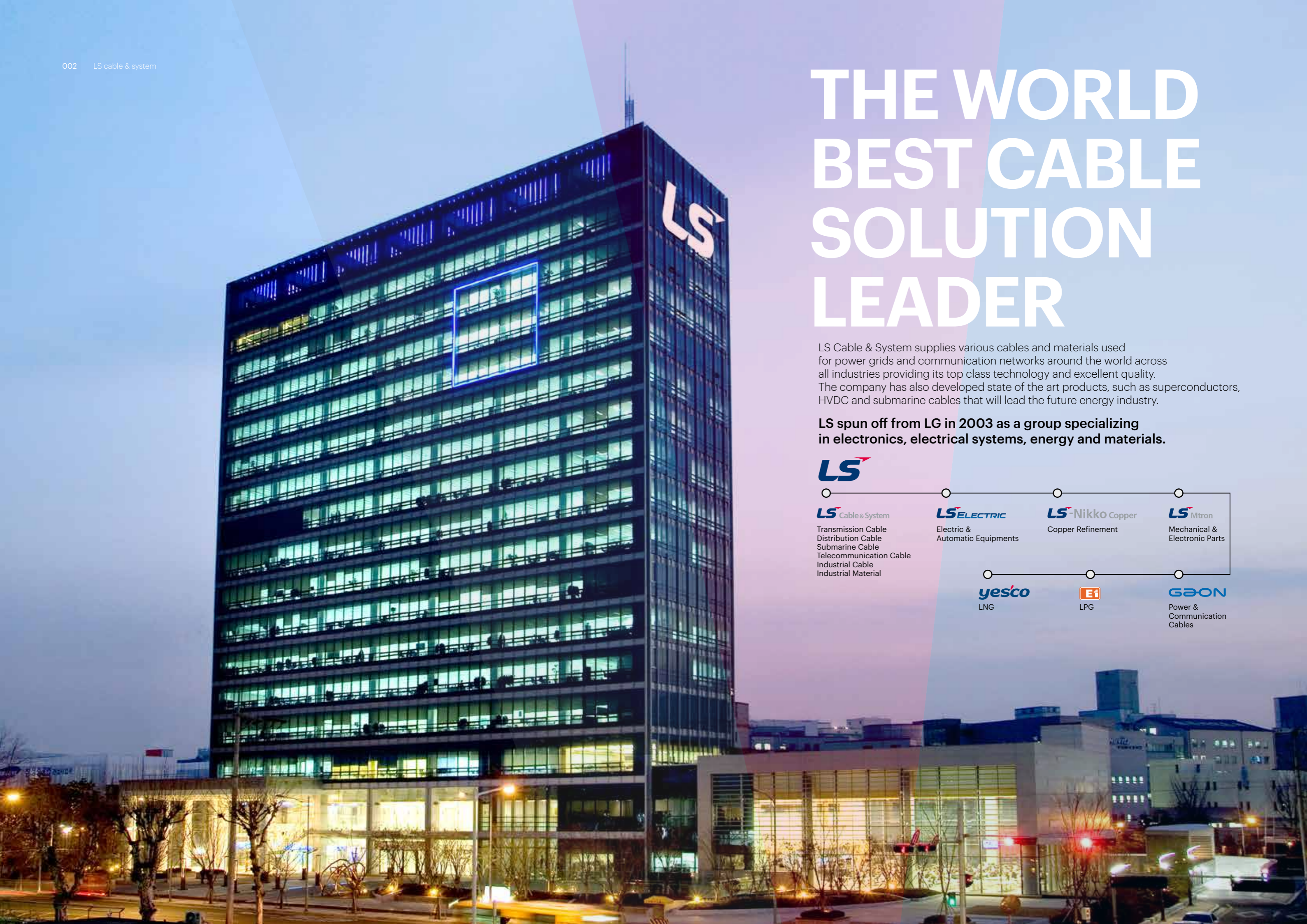
LS Mitron

Mechanical &
Electronic Parts

yesco
LNG

E1
LPG

GBON
Power &
Communication
Cables





Halogen Free and Mud Resistant Cable

The enterprise that is together with human beings through the information and energy transmission technology

LS Marine & Offshore Cable(NEK606)

For affluent and convenient life of human beings, LS Cable & System connects the human mind and transmits the light and energy out of sight such as industrial sites, offices, home, and various instruments that we use. In order to realize the dream of “the world that is connected by the light and that we grow up with energy”, all the technologies of LS Cable & System are based on human beings and environment. The technology that makes the human life rich and protects and harmonizes the environment is the dream that LS Cable & System pursues. LS Cable & System moves the world in every corner of the world in silence.

NEK 606 3 rd ed.	Cables for offshore installations halogen-free and/or mud resistant
IEC 60228	Conductors of insulated cables
IEC 60092-350	Electrical installations in ships Part 350: Shipboard power cables - General construction and test requirements
IEC 60092-351	Electrical installations in ships Part 351: Insulating materials for shipboard and offshore units, power, control, instrumentation, telecommunication and data cables
IEC 60092-352	Electrical installations in ships Part 352: Choice and installation of cables for low-voltage power systems
IEC 60092-353	Electrical installations in ships Part 353: Single and multicore non-radial field power cables with extruded solid insulation for rated voltages 1kV and 3kV
IEC 60092-354	Electrical installations in ships Part 354: Single- and three-core power cables with extruded solid insulation for rated voltages 6kV (Um = 7.2kV) up to 30kV (Um = 36kV)
IEC 60092-359	Electrical installations in ships Part 359: Sheathing materials for shipboard and power and telecommunication cables
IEC 60092-375	Shipboard telecommunication cables and radio-frequency cables Part 375: General instrumentation, control and communication cables
IEC 60092-376	Electrical installations in ships Part 376: Cables for control and instrumentation circuits 150/250 V (300 V)
IEC 60331	Test for electric cables under fire conditions
IEC 60332-1	Tests on electric cables under fire conditions
IEC 60332-3	Tests on electric cables under fire conditions (Cat. A)
IEC 60754	Test on gases evolved during combustion of electric cables
IEC 60811	Common test methods for insulating and sheathing materials
IEC 61034	Measurement of smoke density of electrical cables burning under designed conditions

Safety-related Instruction

The following safety-related instructions are to help you use products safely and precisely, and to prevent unexpected danger or damage. According to the extent of risk, damage and emergency of risk occurrence anticipated when products are incorrectly used, the safety-related instructions are classified as follows;



Warning

In case of using products incorrectly by ignoring this indication, it is possible to anticipate mortality risks or severe wounds.



Caution

In case of using products incorrectly by ignoring this indication, it is possible to anticipate slight wounds or property damage.

Warning



It may be the cause of a fire or damage by a fire.
Do not use in excess of a rated voltage and an allowable current.



It may be the cause of an electric shock.
Do not conduct connection operations when power is on.



It may be the cause of a fire or an electric shock.
Do not disassemble or convert products.



It may be the cause of a fire or damage by a fire.
Keep heat-resisting temperature of cable, considering the environment of using.



Be sure to earth an screened products.

Caution



Cable is not untied.
Pile up drums after making them stand.



It may be the cause of damage to a cable.
When you hang a drum on the crane, keep sufficient length to the extent that an angle of the wire can be under 60 degree.



It may be the cause of disconnection or breakdown of a cable.
Keep the permissible pulling tension and radius of bend.



It may be the cause of damage to a cable.
Do not drop a drum.
Use an A-frame carrier or a crane.



It may be the cause of damage to a cable.
In case of processing the terminal of cable, keep water from percolating.



It may be the cause of damage to a cable.
Do not use except its fixed purpose according to each kind of cable.

- Before using products, read these instructions.
- Use products after verifying indefinite details besides the above descriptions from our company.
- Keep this safety-related instructions in the place it can always be seen by users after reading it.

NEK606 Type Cable

Cable Type

Max. Temp.(°C)	Voltage Rating	Description (Insulation/Inner Covering/Armor/Sheath)	Cable Code	Remark
90°C	8.7/15kV, 6/10kV 3.6/6kV	EPR/HF bedding/Braid armored/SHF2	RFCU,RFOU,RFBU	MV Power
		EPR/HF bedding/Braid armored/SHF2 Mud	RFCB,RFOB,RFB	MV Power
90°C	8.7/15kV, 6/10kV 3.6/6kV	MICA+EPR/HF bedding/Braid armored/SHF2	BFCU,BFOU,BFBU	MV Power
		MICA+EPR/HF bedding/Braid armored/SHF2 Mud	BFCB,BFOB,BFB	MV Power
90°C	0.6/1kV	HEPR/HF bedding/Braid armored/SHF2	HRFCU,HRFOU HRFBU	LV Power or Control
		HEPR/HF bedding/Braid armored/SHF2 Mud	HRFCB,HRFOB HRFB	LV Power or Control
90°C	0.6/1kV	MICA+HEPR/HF bedding/Braid armored/SHF2	HBFCU,HBFOU HBFB	LV Power or Control
		MICA+HEPR/HF bedding/Braid armored/SHF2 Mud	HBFCB,HBFOB HBFB	LV Power or Control
90°C	0.6/1kV	HEPR/HF bedding/Braid armored/SHF2 with collective screen	HRFCU(C),HRFOU(C) HRFBU(C)	LV Control
		HEPR/HF bedding/Braid armored/SHF2 Mud with collective screen	HRFCB(C),HRFOB(C) HRFB(C)	LV Control
90°C	0.6/1kV	MICA+HEPR/HF bedding/Braid armored/SHF2 with collective screen	HBFCU(C),HBFOU(C) HBFB(C)	LV Control
		MICA+HEPR/HF bedding/Braid armored/SHF2 Mud with collective screen	HBFCB(C),HBFOB(C) HBFB(C)	LV Control
90°C	0.6/1kV	HEPR/HF bedding/SHF2 with collective screen	HRFXU(C)	LV Control
		HEPR/HF bedding/SHF2 Mud with collective screen	HRFXB(C)	LV Control
90°C	0.6/1kV	MICA+HEPR/HF bedding/SHF2 with collective screen	HBFXU(C)	LV Control
		MICA+HEPR/HF bedding/SHF2 Mud with collective screen	HBFXB(C)	LV Control
90°C	0.6/1kV	HEPR/SHF2	HRU	LV Power or Control
		HEPR/SHF2 Mud	HRB	LV Power or Control
90°C	0.6/1kV	MICA+HEPR/SHF2	HBU	LV Power or Control
		MICA+HEPR/SHF2 Mud	HBB	LV Power or Control
90°C	0.6/1kV	HEPR/SHield/HF bedding/Braid armored/SHF2	HRYFCU,HRYFOU HRYFBU	VFD Cables(Option1)
		HEPR/SHield/HF bedding/Braid armored/SHF2 Mud	HRYFCB,HRYFOB HRYFB	VFD Cables(Option1)
90°C	0.6/1kV	MICA+HEPR/SHield/HF bedding/Braid armored/SHF2	HBYFCU,HBYFOU HBYFBU	VFD Cables(Option1)
		MICA+HEPR/SHield/HF bedding/Braid armored/SHF2 Mud	HBYFCB,HBYFOB HBYFB	VFD Cables(Option1)

Max. Temp.(°C)	Voltage Rating	Description (Insulation/Inner Covering/Armor/Sheath)	Cable Code	Remark
90°C	0.6/1kV	HEPR/HF bedding/Braid armored+Shield/SHF2	HRFOYU	VFD Cables(Option2)
		HEPR/HF bedding/Braid armored+Shield/SHF2 Mud	HRFOYB	VFD Cables(Option2)
90°C	0.6/1kV	MICA+EPR/HF bedding/Braid armored+Shield/SHF2	HBFOYU	VFD Cables(Option2)
		MICA+EPR/HF bedding/Braid armored+Shield/SHF2 Mud	HBFOYB	VFD Cables(Option2)
90°C	250V	EPR/HF bedding/Braid armored/SHF2	RFCU,RFOU RFBU	LV Power or Control
		EPR/HF bedding/Braid armored/SHF2 Mud	RFCB,RFOB RFB	LV Power or Control
90°C	250V	MICA+EPR/HF bedding/Braid armored/SHF2	RFCU,BFOU BFB	LV Power or Control
		MICA+EPR/HF bedding/Braid armored/SHF2 Mud	BFCB,BFOB BFB	LV Power or Control
90°C	250V	EPR/HF bedding/Braid armored/SHF2 with collective screen	RFCU(C),RFOU(C) RFB(C)	LV Control or Instrument
		EPR/HF bedding/Braid armored/SHF2 Mud with collective screen	RFCB(C),RFOB(C) RFB(C)	LV Control or Instrument
90°C	250V	MICA+EPR/HF bedding/Braid armored/SHF2 with collective screen	BFCU(C),BFOU(C) BFB(C)	LV Control or Instrument
		MICA+EPR/HF bedding/Braid armored/SHF2 Mud with collective screen	BFCB(C),BFOB(C) BFB(C)	LV Control or Instrument
90°C	250V	EPR/HF bedding/Braid armored/SHF2 with individual screen	RFCU(I),RFOU(I) RFB(I)	LV Instrument
		EPR/HF bedding/Braid armored/SHF2 Mud with individual screen	RFCB(I),RFOB(I) RFB(I)	LV Instrument
90°C	250V	MICA+EPR/HF bedding/Braid armored/SHF2 with individual screen	BFCU(I),BFOU(I) BFB(I)	LV Instrument
		MICA+EPR/HF bedding/Braid armored/SHF2 Mud with individual screen	BFCB(I),BFOB(I) BFB(I)	LV Instrument
90°C	250V	EPR/HF bedding/Braid armored/SHF2 with collective & individual screen	RFCU(I/C),RFOU(I/C) RFB(I/C)	LV Instrument
		EPR/HF bedding/Braid armored/SHF2 Mud with collective & individual screen	RFCB(I/C),RFOB(I/C) RFB(I/C)	LV Instrument
90°C	250V	MICA+EPR/HF bedding/Braid armored/SHF2 Mud with collective & individual screen	BFCU(I/C),BFOU(I/C) BFB(I/C)	LV Instrument
		MICA+EPR/HF bedding/Braid armored/SHF2 Mud with collective & individual screen	BFCB(I/C),BFOB(I/C) BFB(I/C)	LV Instrument
90°C	250V	EPR/HF bedding/SHF2 with collective screen	RFXU(C)	LV Control or Instrument
		EPR/HF bedding/SHF2 Mud with collective screen	RFXB(C)	LV Control or Instrument

NEK606 Type Cable Cable Type

Max. Temp.(°C)	Voltage Rating	Description (Insulation/Inner Covering/Armor/Sheath)	Cable Code	Remark
90℃	250V	MICA+EPR/HF bedding/SHF2 with collective screen	BFXU(C)	LV Control or Instrument
		MICA+EPR/HF bedding/SHF2 Mud with collective screen	BFXB(C)	LV Control or Instrument
90℃	250V	EPR/HF bedding/SHF2 with individual screen	RFXU(I)	LV Instrument
		EPR/HF bedding/SHF2 Mud with individual screen	RFXB(I)	LV Instrument
90℃	250V	MICA+EPR/HF bedding/SHF2 with individual screen	BFXU(I)	LV Instrument
		MICA+EPR/HF bedding/SHF2 Mud with individual screen	BFXB(I)	LV Instrument
90℃	250V	EPR/HF bedding/SHF2 with collective screen & individual screen	RFXU(I/C)	LV Instrument
		EPR/HF bedding/SHF2 Mud with collective screen & individual screen	RFXB(I/C)	LV Instrument
90℃	250V	MICA+EPR/HF bedding/SHF2 with collective & individual screen	RFXB(I/C)	LV Instrument
		MICA+EPR/HF bedding/SHF2 Mud with collective & individual screen	RFXB(I/C)	LV Instrument
90℃	250V	EPR/SHF2	RU	LV Control
		EPR/SHF2 Mud	RB	LV Control
90℃	250V	MICA+EPR/SHF2	BU	LV Control
		MICA+EPR/SHF2 Mud	BB	LV Control

Designation of Cable Code

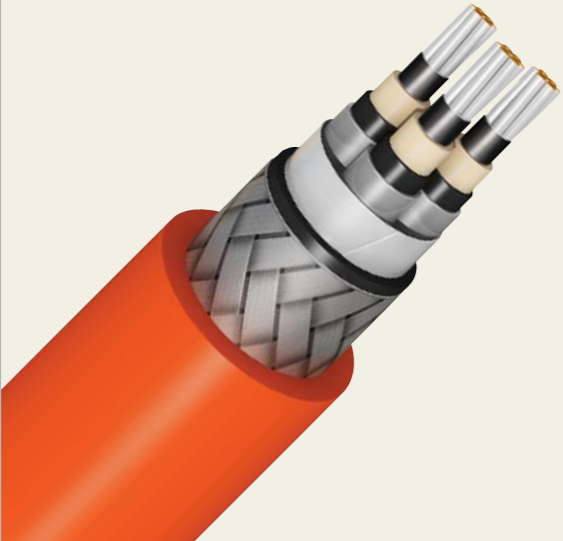
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	Letter	Meaning	Remark
1st	HR	Flame Retardant Cables (HF HEPR Insulation)	IEC 60332-3, CAT.A, A/F
	HB	Fire Resistant & Flame Retardant Cables (MICA+HF HEPR Insulation)	IEC 60331 (750°C / 1.5hr) IEC 60332-3, CAT.A, A/F
	R	Flame Retardant Cables (HF EPR Insulation)	IEC 60332-3, CAT.A, A/F
	B	Fire Resistant & Flame Retardant Cables (MICA+HF EPR Insulation)	IEC 60331 (750°C / 1.5hr) IEC 60332-3, CAT.A, A/F
2nd	F	Halogen Free Thermoset Compound or Taping Inner Covering Note) When required by customer, SHF2 as inner covering can be applied instead of HF bedding	
	C	Galvanized Steel Wire Braid Armor	
3rd	O	Tinned Copper Wire Braid Armor	IEC 60092-350
	B	Bronzed Wire Braid Armor	
	X	No Armor	
4th	U	SHF2 Halogen Free Sheath	IEC 60092-359
	B	SHF2 Mud Halogen Free Sheath	
5th	(I)	Individual Screen	Copper / Polyester or Aluminum / Polyester with Drain Wire
	(C)	Collective Screen	
	(I/C)	Individual & Collective Screen	
*	Y	Symmetrical Concentric Shield (for VFD cable application)	Copper Wire Braid Plus Copper / Polyester or Aluminum / Polyester

NEK606 Type Cable

8.7/15kV, 6/10kV, 3.6/6kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB

8.7/15kV, 6/10kV, 3.6/6kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB



Voltage Rating
 ■ 8.7/15kV, 6/10kV, 3.6/6kV

Maximum Conductor Temperature
 ■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -354, -359
 ■ IEC 60332-1, -3(Cat.a,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation 1C : Natural
 3C : Gray, Black, Red
 Earth : Green/Yellow
 ■ Outer Sheath : Red

Cable Marking
 ■ Ex. 8.7/15kV RFOU 3C X 185SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Fire proof layer N/A
- Insulation screen ... Semi-Conductive compound plus tape
- Filler If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Conductor screen... Semi-Conductive tape plus compound
- Insulation HF EPR to IEC 60092-351
- Metallic screen Tinned Copper wire braid (or Tinned copper tape)
- Binder tape If necessary
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 3.6/6kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 1C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
10	7/1.35	4.05	2.5	1.0	15.5	0.3	1.5	20.8	1.0	700
16	7/1.7	5.1	2.5	1.0	16.6	0.3	1.5	21.8	1.1	940
25	7/2.14	6.42	2.5	1.0	17.9	0.3	1.6	23.3	1.2	1140
35	7/2.52	7.56	2.5	1.0	19.1	0.3	1.6	24.5	1.2	1320
50	19/1.78	8.9	2.5	1.0	20.5	0.3	1.7	26.1	1.3	1560
70	19/2.14	10.7	2.5	1.0	22.3	0.3	1.8	28.1	1.4	1870
95	19/2.52	12.6	2.5	1.0	24.6	0.3	1.9	30.7	1.5	2270
120	37/2.03	14.21	2.5	1.0	26.2	0.3	1.9	32.3	1.6	2640
150	37/2.25	15.75	2.5	1.2	28.2	0.3	2.0	34.4	1.7	3260
185	37/2.52	17.64	2.5	1.2	30.2	0.4	2.1	37.0	1.8	3570
240	61/2.25	20.25	2.6	1.2	33.0	0.4	2.2	40.0	2.0	4320
300	61/2.52	22.68	2.8	1.2	36.1	0.4	2.3	43.4	2.2	5280

Table 2 : 3.6/6kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
10	7/1.35	4.05	2.5	1.2	31.9	0.4	2.2	39.0	1.9	1790
16	7/1.7	5.1	2.5	1.2	34.2	0.4	2.3	41.4	2.1	2390
25	7/2.14	6.42	2.5	1.2	37.0	0.4	2.4	44.5	2.2	2980
35	7/2.52	7.56	2.5	1.4	39.9	0.4	2.5	47.5	2.4	3540
50	19/1.78	8.9	2.5	1.4	43.0	0.4	2.6	50.9	2.5	4270
70	19/2.14	10.7	2.5	1.4	46.8	0.4	2.8	55.1	2.8	5170
95	19/2.52	12.6	2.5	1.6	52.3	0.4	3.0	61.0	3.0	6380
120	37/2.03	14.21	2.5	1.6	55.7	0.4	3.1	64.7	3.2	7500
150	37/2.25	15.75	2.5	1.6	59.0	0.4	3.3	68.4	3.4	8640
185	37/2.52	17.64	2.5	1.8	63.7	0.4	3.4	73.3	3.7	10220

Table 3 : 3.6/6kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 3C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
10	7/1.35	4.05	2.5	1.2	32.9	0.4	2.2	39.9	2.0	1850
16	7/1.7	5.1	2.5	1.2	35.6	0.4	2.3	42.8	2.1	2400
25	7/2.14	6.42	2.5	1.4	38.9	0.4	2.5	46.6	2.3	3030
35	7/2.52	7.56	2.5	1.4	41.3	0.4	2.5	49.0	2.4	3590
50	19/1.78	8.9	2.5	1.4	44.4	0.4	2.7	52.5	2.6	4270
70	19/2.14	10.7	2.5	1.6	48.7	0.4	2.8	57.0	2.8	5310
95	19/2.52	12.6	2.5	1.6	53.4	0.4	3.0	62.1	3.1	6690
120	37/2.03	14.21	2.5	1.6	56.8	0.4	3.2	65.9	3.3	8010
150	37/2.25	15.75	2.5	1.6	60.5	0.4	3.3	69.8	3.5	9490
185	37/2.52	17.64	2.5	1.8	65.2	0.4	3.5	75.0	3.7	10990

Table 4 : 6/10kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 1C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
16	7/1.7	5.1	3.4	1.0	18.5	0.3	1.6	23.9	1.2	1040
25	7/2.14	6.42	3.4	1.0	19.9	0.3	1.7	25.5	1.3	1180
35	7/2.52	7.56	3.4	1.0	21.0	0.3	1.7	26.7	1.3	1330
50	19/1.78	8.9	3.4	1.0	22.4	0.3	1.8	28.2	1.4	1630
70	19/2.14	10.7	3.4	1.0	24.2	0.3	1.8	30.0	1.5	2060
95	19/2.52	12.6	3.4	1.0	26.5	0.3	1.9	32.6	1.6	2500
120	37/2.03	14.21	3.4	1.2	28.6	0.3	2.0	34.9	1.7	2750
150	37/2.25	15.75	3.4	1.2	30.2	0.4	2.1	37.0	1.8	3370
185	37/2.52	17.64	3.4	1.2	32.1	0.4	2.2	39.1	2.0	3540
240	61/2.25	20.25	3.4	1.2	35.0	0.4	2.3	42.2	2.1	4260
300	61/2.52	22.68	3.4	1.2	37.4	0.4	2.4	44.9	2.2	5460

Table 5 : 6/10kV - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
16	7/1.7	5.1	3.4	1.4	38.7	0.4	2.4	46.1	2.3	2110
25	7/2.14	6.42	3.4	1.4	41.7	0.4	2.6	49.6	2.5	3500
35	7/2.52	7.56	3.4	1.4	44.2	0.4	2.7	52.2	2.6	4000
50	19/1.78	8.9	3.4	1.4	47.0	0.4	2.8	55.3	2.8	4860
70	19/2.14	10.7	3.4	1.6	51.3	0.4	2.9	59.8	3.0	6160
95	19/2.52	12.6	3.4	1.6	56.3	0.4	3.2	65.5	3.3	7450
120	37/2.03	14.21	3.4	1.6	60.0	0.4	3.3	69.4	3.5	8230
150	37/2.25	15.75	3.4	1.8	63.7	0.4	3.4	73.3	3.7	10110
185	37/2.52	17.64	3.4	1.8	67.8	0.4	3.6	77.8	3.9	12000

NEK606 Type Cable

8.7/15kV, 6/10kV, 3.6/6kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB

Table 2 : 3.6/6kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
10	7/1.35	4.05	2.5	1.2	31.9	0.4	2.2	39.0	1.9	1790
16	7/1.7	5.1	2.5	1.2	34.2	0.4	2.3	41.4	2.1	2390
25	7/2.14	6.42	2.5	1.2	37.0	0.4	2.4	44.5	2.2	2980
35	7/2.52	7.56	2.5	1.4	39.9	0.4	2.5	47.5	2.4	3540
50	19/1.78	8.9	2.5	1.4	43.0	0.4	2.6	50.9	2.5	4270
70	19/2.14	10.7	2.5	1.4	46.8	0.4	2.8	55.1	2.8	5170
95	19/2.52	12.6	2.5	1.6	52.3	0.4	3.0	61.0	3.0	6380
120	37/2.03	14.21	2.5	1.6	55.7	0.4	3.1	64.7	3.2	7500
150	37/2.25	15.75	2.5	1.6	59.0	0.4	3.3	68.4	3.4	8640
185	37/2.52	17.64	2.5	1.8	63.7	0.4	3.4	73.3	3.7	10220

Table 3 : 3.6/6kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 3C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
10	7/1.35	4.05	2.5	1.2	32.9	0.4	2.2	39.9	2.0	1850
16	7/1.7	5.1	2.5	1.2	35.6	0.4	2.3	42.8	2.1	2400
25	7/2.14	6.42	2.5	1.4	38.9	0.4	2.5	46.6	2.3	3030
35	7/2.52	7.56	2.5	1.4	41.3	0.4	2.5	49.0	2.4	3590
50	19/1.78	8.9	2.5	1.4	44.4	0.4	2.7	52.5	2.6	4270
70	19/2.14	10.7	2.5	1.6	48.7	0.4	2.8	57.0	2.8	5310
95	19/2.52	12.6	2.5	1.6	53.4	0.4	3.0	62.1	3.1	6690
120	37/2.03	14.21	2.5	1.6	56.8	0.4	3.2	65.9	3.3	8010
150	37/2.25	15.75	2.5	1.6	60.5	0.4	3.3	69.8	3.5	9490
185	37/2.52	17.64	2.5	1.8	65.2	0.4	3.5	75.0	3.7	10990

Table 4 : 6/10kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 1C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
16	7/1.7	5.1	3.4	1.0	18.5	0.3	1.6	23.9	1.2	1040
25	7/2.14	6.42	3.4	1.0	19.9	0.3	1.7	25.5	1.3	1180
35	7/2.52	7.56	3.4	1.0	21.0	0.3	1.7	26.7	1.3	1330
50	19/1.78	8.9	3.4	1.0	22.4	0.3	1.8	28.2	1.4	1630
70	19/2.14	10.7	3.4	1.0	24.2	0.3	1.8	30.0	1.5	2060
95	19/2.52	12.6	3.4	1.0	26.5	0.3	1.9	32.6	1.6	2500
120	37/2.03	14.21	3.4	1.2	28.6	0.3	2.0	34.9	1.7	2750
150	37/2.25	15.75	3.4	1.2	30.2	0.4	2.1	37.0	1.8	3370
185	37/2.52	17.64	3.4	1.2	32.1	0.4	2.2	39.1	2.0	3540
240	61/2.25	20.25	3.4	1.2	35.0	0.4	2.3	42.2	2.1	4260
300	61/2.52	22.68	3.4	1.2	37.4	0.4	2.4	44.9	2.2	5460

Table 5 : 6/10kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
16	7/1.7	5.1	3.4	1.4	38.7	0.4	2.4	46.1	2.3	2110
25	7/2.14	6.42	3.4	1.4	41.7	0.4	2.6	49.6	2.5	3500
35	7/2.52	7.56	3.4	1.4	44.2	0.4	2.7	52.2	2.6	4000
50	19/1.78	8.9	3.4	1.4	47.0	0.4	2.8	55.3	2.8	4860
70	19/2.14	10.7	3.4	1.6	51.3	0.4	2.9	59.8	3.0	6160
95	19/2.52	12.6	3.4	1.6	56.3	0.4	3.2	65.5	3.3	7450
120	37/2.03	14.21	3.4	1.6	60.0	0.4	3.3	69.4	3.5	8230
150	37/2.25	15.75	3.4	1.8	63.7	0.4	3.4	73.3	3.7	10110
185	37/2.52	17.64	3.4	1.8	67.8	0.4	3.6	77.8	3.9	12000

Table 6 : 6/10kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 3C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
16	7/1.7	5.1	3.4	1.4	40.2	0.4	2.5	47.9	2.4	2320
25	7/2.14	6.42	3.4	1.4	43.2	0.4	2.6	51.1	2.6	3850
35	7/2.52	7.56	3.4	1.4	45.7	0.4	2.7	53.8	2.7	4400
50	19/1.78	8.9	3.4	1.6	48.9	0.4	2.9	57.4	2.9	5350
70	19/2.14	10.7	3.4	1.6	53.0	0.4	3.0	61.7	3.1	6780
95	19/2.52	12.6	3.4	1.6	57.8	0.4	3.2	66.9	3.3	8200
120	37/2.03	14.21	3.4	1.6	61.5	0.4	3.4	71.1	3.6	9050
150	37/2.25	15.75	3.4	1.8	65.2	0.4	3.5	75.0	3.7	11120
185	37/2.52	17.64	3.4	1.8	69.3	0.4	3.7	79.5	4.0	13200

Table 7 : 8.7/15kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 1C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	4.5	1.0	22.2	0.3	1.8	28.1	1.4	1100
35	7/2.52	7.56	4.5	1.0	23.4	0.3	1.8	29.2	1.5	1400
50	19/1.78	8.9	4.5	1.0	24.7	0.3	1.9	30.7	1.5	1600
70	19/2.14	10.7	4.5	1.0	26.5	0.3	1.9	32.5	1.6	1840
95	19/2.52	12.6	4.5	1.2	29.3	0.3	2.1	35.8	1.8	2330
120	37/2.03	14.21	4.5	1.2	30.9	0.4	2.1	37.8	1.9	2810
150	37/2.25	15.75	4.5	1.2	32.5	0.4	2.2	39.5	2.0	3170
185	37/2.52	17.64	4.5	1.2	34.7	0.4	2.3	41.9	2.1	3670
240	61/2.25	20.25	4.5	1.2	37.3	0.4	2.4	44.7	2.2	4430
300	61/2.52	22.68	4.5	1.4	40.1	0.4	2.5	47.8	2.4	5630

Table 8 : 8.7/15kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	4.5	1.4	46.7	0.4	2.8	55.0	2.7	3300
35	7/2.52	7.56	4.5	1.6	49.5	0.4	2.9	58.0	2.9	4840
50	19/1.78	8.9	4.5	1.6	52.4	0.4	3.0	61.1	3.1	5570
70	19/2.14	10.7	4.5	1.6	56.3	0.4	3.1	65.2	3.3	6730
95	19/2.52	12.6	4.5	1.6	61.5	0.4	3.4	71.1	3.6	8270
120	37/2.03	14.21	4.5	1.8	65.4	0.4	3.5	75.1	3.8	9390
150	37/2.25	15.75	4.5	1.8	68.7	0.4	3.6	78.7	3.9	11000
185	37/2.52	17.64	4.5	1.8	73.4	0.4	3.8	83.8	4.2	12500

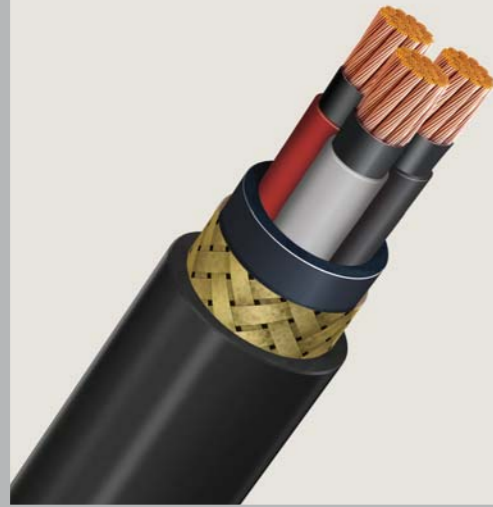
Table 9 : 8.7/15kV - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 3C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	4.5	1.4	44.1	0.4	2.7	55.0	2.6	3630
35	7/2.52	7.56	4.5	1.4	47.3	0.4	2.8	58.0	2.8	5324
50	19/1.78	8.9	4.5	1.6	50.1	0.4	2.9	61.1	2.9	6127
70	19/2.14	10.7	4.5	1.6	54.0	0.4	3.1	65.2	3.1	7403
95	19/2.52	12.6	4.5	1.6	59.6	0.4	3.3	71.3	3.4	9097
120	37/2.03	14.21	4.5	1.8	63.9	0.4	3.5	75.4	3.7	10329
150	37/2.25	15.75	4.5	1.8	68.2	0.4	3.6	80.6	3.9	12100
185	37/2.52	17.64	4.5	1.8	72.1	0.4	3.8	85.2	4.1	13750

NEK606 Type Cable

0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB

0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB



Voltage Rating
 ■ 0.6/1kV

Maximum Conductor Temperature
 ■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.a,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation 1C : Gray
 2C : Gray, Black
 3C : Gray, Black, Red
 4C : Gray, Black, Red, Blue
 Multi Core : White with Core Number
 Earth : Green/Yellow
 ■ Outer Sheath : Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HRFCU 3C X 120SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFOB,HRFCB,HRFBB 1C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	5.2	0.3	1.1	9.5	0.5	210
2.5	7/0.67	2.01	0.7	1.0	5.6	0.3	1.1	10.0	0.5	230
4	7/0.85	2.55	0.7	1.0	6.2	0.3	1.1	10.5	0.5	270
6	7/1.04	3.12	0.7	1.0	6.7	0.3	1.2	11.3	0.6	300
10	7/1.35	4.05	0.7	1.0	7.7	0.3	1.2	12.3	0.6	370
16	7/1.7	5.1	0.7	1.0	8.8	0.3	1.2	13.3	0.7	470
25	7/2.14	6.42	0.9	1.0	10.5	0.3	1.3	15.3	0.8	620
35	7/2.52	7.56	0.9	1.0	11.6	0.3	1.3	16.4	0.8	750
50	19/1.78	8.9	1.0	1.0	13.3	0.3	1.4	18.3	0.9	940
70	19/2.14	10.7	1.1	1.0	15.3	0.3	1.5	20.5	1.0	1210
95	19/2.52	12.6	1.1	1.0	17.3	0.3	1.6	22.7	1.1	1530
120	37/2.03	14.21	1.2	1.0	19.1	0.3	1.6	24.6	1.2	1840
150	37/2.25	15.75	1.4	1.0	21.1	0.3	1.7	26.7	1.3	2200
185	37/2.52	17.64	1.6	1.0	23.4	0.3	1.8	29.2	1.5	2660
240	61/2.25	20.25	1.7	1.0	26.2	0.3	1.9	32.3	1.6	3320
300	61/2.52	22.68	1.8	1.2	29.3	0.3	2.1	35.7	1.8	4060

Table 2 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 2C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	8.5	0.3	1.2	13.1	0.7	360
2.5	7/0.67	2.01	0.7	1.0	9.4	0.3	1.3	14.2	0.7	410
4	7/0.85	2.55	0.7	1.0	10.6	0.3	1.3	15.4	0.8	490
6	7/1.04	3.12	0.7	1.0	11.7	0.3	1.4	16.7	0.8	580
10	7/1.35	4.05	0.7	1.0	13.6	0.3	1.4	18.6	0.9	750
16	7/1.7	5.1	0.7	1.0	15.8	0.3	1.5	21.0	1.0	960
25	7/2.14	6.42	0.9	1.0	19.2	0.3	1.7	24.9	1.2	1340
35	7/2.52	7.56	0.9	1.0	21.5	0.3	1.7	27.2	1.4	1660
50	19/1.78	8.9	1.0	1.0	24.8	0.3	1.9	30.9	1.5	2120
70	19/2.14	10.7	1.1	1.2	29.2	0.3	2.1	35.7	1.8	2860
95	19/2.52	12.6	1.1	1.2	33.2	0.4	2.2	40.3	2.0	3820
120	37/2.03	14.21	1.2	1.2	36.9	0.4	2.4	44.3	2.2	4580
150	37/2.25	15.75	1.4	1.4	41.2	0.4	2.5	48.9	2.4	5550
185	37/2.52	17.64	1.6	1.4	45.8	0.4	2.7	53.9	2.7	6750
240	61/2.25	20.25	1.7	1.6	51.9	0.4	3.0	60.6	3.0	8530
300	61/2.52	22.68	1.8	1.6	57.1	0.4	3.2	66.3	3.3	10340

Table 3 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	9.0	0.3	1.2	13.6	0.7	390
2.5	7/0.67	2.01	0.7	1.0	9.9	0.3	1.3	14.7	0.7	460
4	7/0.85	2.55	0.7	1.0	11.2	0.3	1.3	16.0	0.8	560
6	7/1.04	3.12	0.7	1.0	12.4	0.3	1.4	17.4	0.9	660
10	7/1.35	4.05	0.7	1.0	14.4	0.3	1.5	19.6	1.0	870
16	7/1.7	5.1	0.7	1.0	16.8	0.3	1.6	22.2	1.1	1160
25	7/2.14	6.42	0.9	1.0	20.5	0.3	1.7	26.1	1.3	1630
35	7/2.52	7.56	0.9	1.0	22.9	0.3	1.8	28.8	1.4	2040
50	19/1.78	8.9	1.0	1.0	26.5	0.3	1.9	32.6	1.6	2630
70	19/2.14	10.7	1.1	1.2	31.2	0.4	2.1	38.0	1.9	3730
95	19/2.52	12.6	1.1	1.2	35.5	0.4	2.3	42.8	2.1	4800
120	37/2.03	14.21	1.2	1.4	39.8	0.4	2.5	47.5	2.4	5850
150	37/2.25	15.75	1.4	1.4	44.0	0.4	2.7	52.1	2.6	7030
185	37/2.52	17.64	1.6	1.6	49.4	0.4	2.9	57.9	2.9	8650
240	61/2.25	20.25	1.7	1.6	55.5	0.4	3.1	64.4	3.2	10950
300	61/2.52	22.68	1.8	1.6	61.2	0.4	3.3	70.5	3.5	13350

Table 4 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 4C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	9.8	0.3	1.3	14.6	0.7	450
2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	530
4	7/0.85	2.55	0.7	1.0	12.2	0.3	1.4	17.2	0.9	650
6	7/1.04	3.12	0.7	1.0	13.6	0.3	1.4	18.6	0.9	790
10	7/1.35	4.05	0.7	1.0	15.9	0.3	1.5	21.1	1.1	1050
16	7/1.7	5.1	0.7	1.0	18.5	0.3	1.6	23.9	1.2	1400
25	7/2.14	6.42	0.9	1.0	22.7	0.3	1.8	28.5	1.4	1990
35	7/2.52	7.56	0.9	1.0	25.4	0.3	1.9	31.5	1.6	2520
50	19/1.78	8.9	1.0	1.2	29.8	0.3	2.1	36.3	1.8	3310
70	19/2.14	10.7	1.1	1.2	34.7	0.4	2.3	41.9	2.1	4630
95	19/2.52	12.6	1.1	1.4	39.9	0.4	2.5	47.5	2.4	6050
120	37/2.03	14.21	1.2	1.4	44.3	0.4	2.7	52.3	2.6	7340
150	37/2.25	15.75	1.4	1.6	49.4	0.4	2.9	57.9	2.9	8910
185	37/2.52	17.64	1.6	1.6	55.0	0.4	3.1	63.9	3.2	10900
240	61/2.25	20.25	1.7	1.6	61.7	0.4	3.4	71.3	3.6	13860
300	61/2.52	22.68	1.8	1.8	68.5	0.4	3.6	78.5	3.9	17050

NEK606 Type Cable

0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB

Table 5 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 2C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	9.0	0.3	1.2	13.6	0.7	390
2.5	7/0.67	2.01	0.7	1.0	9.9	0.3	1.3	14.7	0.7	460
4	7/0.85	2.55	0.7	1.0	11.2	0.3	1.3	16.0	0.8	560
6	7/1.04	3.12	0.7	1.0	12.4	0.3	1.4	17.4	0.9	660
10	7/1.35	4.05	0.7	1.0	14.4	0.3	1.5	19.6	1.0	870
16	7/1.7	5.1	0.7	1.0	16.8	0.3	1.6	22.2	1.1	1160
25	7/2.14	6.42	0.9	1.0	20.5	0.3	1.7	26.1	1.3	1530
35	7/2.52	7.56	0.9	1.0	22.9	0.3	1.8	28.8	1.4	1940
50	19/1.78	8.9	1.0	1.0	26.5	0.3	1.9	32.6	1.6	2410
70	19/2.14	10.7	1.1	1.2	31.2	0.4	2.1	38.0	1.9	3380
95	19/2.52	12.6	1.1	1.2	35.5	0.4	2.3	42.8	2.1	4330
120	37/2.03	14.21	1.2	1.4	39.8	0.4	2.5	47.5	2.4	5360
150	37/2.25	15.75	1.4	1.4	44.0	0.4	2.7	52.1	2.6	6510
185	37/2.52	17.64	1.6	1.6	49.4	0.4	2.9	57.9	2.9	7760
240	61/2.25	20.25	1.7	1.6	55.5	0.4	3.1	64.4	3.2	9730
300	61/2.52	22.68	1.8	1.6	61.2	0.4	3.3	70.5	3.5	11790

Table 6 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 3C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	9.8	0.3	1.3	14.6	0.7	450
2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	530
4	7/0.85	2.55	0.7	1.0	12.2	0.3	1.4	17.2	0.9	650
6	7/1.04	3.12	0.7	1.0	13.6	0.3	1.4	18.6	0.9	790
10	7/1.35	4.05	0.7	1.0	15.9	0.3	1.5	21.1	1.1	1050
16	7/1.7	5.1	0.7	1.0	18.5	0.3	1.6	23.9	1.2	1400
25	7/2.14	6.42	0.9	1.0	22.0	0.3	1.8	27.9	1.4	1860
35	7/2.52	7.56	0.9	1.0	25.1	0.3	1.9	31.2	1.6	2410
50	19/1.78	8.9	1.0	1.2	28.5	0.3	2.0	34.8	1.7	3010
70	19/2.14	10.7	1.1	1.2	32.8	0.4	2.2	39.9	2.0	4150
95	19/2.52	12.6	1.1	1.4	38.0	0.4	2.4	45.4	2.3	5440
120	37/2.03	14.21	1.2	1.4	42.3	0.4	2.6	50.2	2.5	6690
150	37/2.25	15.75	1.4	1.4	47.3	0.4	2.8	55.6	2.8	8180
185	37/2.52	17.64	1.6	1.6	51.9	0.4	3.0	60.6	3.0	9720
240	61/2.25	20.25	1.7	1.6	58.0	0.4	3.2	67.1	3.4	12250
300	61/2.52	22.68	1.8	1.8	64.3	0.4	3.5	74.1	3.7	15000

Table 7 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 4C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	10.7	0.3	1.3	15.5	0.8	500
2.5	7/0.67	2.01	0.7	1.0	11.8	0.3	1.4	16.8	0.8	600
4	7/0.85	2.55	0.7	1.0	13.4	0.3	1.4	18.4	0.9	750
6	7/1.04	3.12	0.7	1.0	15.0	0.3	1.5	20.2	1.0	910
10	7/1.35	4.05	0.7	1.0	17.5	0.3	1.6	22.9	1.1	1230
16	7/1.7	5.1	0.7	1.0	20.4	0.3	1.7	26.1	1.3	1660
25	7/2.14	6.42	0.9	1.0	24.5	0.3	1.9	30.6	1.5	2270
35	7/2.52	7.56	0.9	1.2	28.3	0.3	2.0	34.6	1.7	2980
50	19/1.78	8.9	1.0	1.2	31.9	0.4	2.2	38.9	1.9	3860
70	19/2.14	10.7	1.1	1.2	36.8	0.4	2.4	44.3	2.2	5150
95	19/2.52	12.6	1.1	1.4	42.6	0.4	2.6	50.4	2.5	6740
120	37/2.03	14.21	1.2	1.4	47.5	0.4	2.8	55.8	2.8	8310
150	37/2.25	15.75	1.4	1.6	53.4	0.4	3.0	62.1	3.1	10250
185	37/2.52	17.64	1.6	1.6	58.4	0.4	3.2	67.5	3.4	12200
240	61/2.25	20.25	1.7	1.8	65.8	0.4	3.5	75.5	3.8	15510
300	61/2.52	22.68	1.8	1.8	72.5	0.4	3.8	82.9	4.1	18920

Table 8 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	1.0	7.9	0.3	1.2	12.5	0.6	320
4	1	7/0.43	1.29	0.7	1.0	9.1	0.3	1.2	13.7	0.7	400
7	1	7/0.43	1.29	0.7	1.0	10.7	0.3	1.3	15.5	0.8	510
9	1	7/0.43	1.29	0.7	1.0	12.4	0.3	1.4	17.4	0.9	630
12	1	7/0.43	1.29	0.7	1.0	13.9	0.3	1.4	18.9	0.9	750
14	1	7/0.43	1.29	0.7	1.0	14.6	0.3	1.5	19.8	1.0	820
19	1	7/0.43	1.29	0.7	1.0	16.2	0.3	1.5	21.4	1.1	990
23	1	7/0.43	1.29	0.7	1.0	17.9	0.3	1.6	23.4	1.2	1140
27	1	7/0.43	1.29	0.7	1.0	19.4	0.3	1.7	25.0	1.3	1300
33	1	7/0.43	1.29	0.7	1.0	20.9	0.3	1.7	26.6	1.3	1500
37	1	7/0.43	1.29	0.7	1.0	21.7	0.3	1.8	27.6	1.4	1610
44	1	7/0.43	1.29	0.7	1.0	24.5	0.3	1.9	30.6	1.5	1920

Table 9 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	8.5	0.3	1.2	13.1	0.7	350
4	1.5	7/0.53	1.59	0.7	1.0	9.8	0.3	1.3	14.6	0.7	430
7	1.5	7/0.53	1.59	0.7	1.0	11.6	0.3	1.3	16.4	0.8	550
9	1.5	7/0.53	1.59	0.7	1.0	13.5	0.3	1.4	18.5	0.9	690
12	1.5	7/0.53	1.59	0.7	1.0	15.1	0.3	1.5	20.3	1.0	810
14	1.5	7/0.53	1.59	0.7	1.0	15.9	0.3	1.5	21.1	1.1	890
19	1.5	7/0.53	1.59	0.7	1.0	17.7	0.3	1.6	23.1	1.2	1060
23	1.5	7/0.53	1.59	0.7	1.0	19.6	0.3	1.7	25.3	1.3	1250
27	1.5	7/0.53	1.59	0.7	1.0	21.2	0.3	1.7	26.9	1.3	1420
33	1.5	7/0.53	1.59	0.7	1.0	22.9	0.3	1.8	28.8	1.4	1620
37	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1750
44	1.5	7/0.53	1.59	0.7	1.0	26.9	0.3	2.0	33.2	1.7	2100

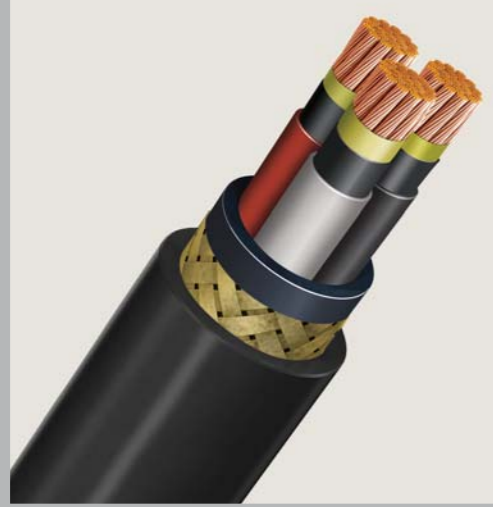
Table 10 : 0.6/1kV - HRFCU,HRFOU,HRFBU,HRFCB,HRFOB,HRFBB 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	9.4	0.3	1.3	14.2	0.7	380
4	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
7	2.5	7/0.67	2.01	0.7	1.0	12.9	0.3	1.4	17.9	0.9	610
9	2.5	7/0.67	2.01	0.7	1.0	15.0	0.3	1.5	20.2	1.0	760
12	2.5	7/0.67	2.01	0.7	1.0	16.9	0.3	1.6	22.3	1.1	910
14	2.5	7/0.67	2.01	0.7	1.0	17.8	0.3	1.6	23.2	1.2	990
19	2.5	7/0.67	2.01	0.7	1.0	19.8	0.3	1.7	25.5	1.3	1190
23	2.5	7/0.67	2.01	0.7	1.0	22.0	0.3	1.8	27.8	1.4	1390
27	2.5	7/0.67	2.01	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1590
33	2.5	7/0.67	2.01	0.7	1.0	25.7	0.3	1.9	31.8	1.6	1800
37	2.5	7/0.67	2.01	0.7	1.0	26.8	0.3	2.0	33.0	1.7	1950
44	2.5	7/0.67	2.01	0.7	1.2	30.7	0.4	2.1	37.5	1.9	2550

NEK606 Type Cable

0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB

0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB



Voltage Rating
 ■ 0.6/1kV

Maximum Conductor Temperature
 ■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation 1C : Gray
 2C : Gray, Black
 3C : Gray, Black, Red
 4C : Gray, Black, Red, Blue
 Multi Core : White with Core Number
 Earth : Green/Yellow
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HBFCU 3C X 120SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 1C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	5.6	0.3	1.1	10.0	0.5	230
2.5	7/0.67	2.01	0.7	1.0	6.0	0.3	1.1	10.4	0.5	250
4	7/0.85	2.55	0.7	1.0	6.6	0.3	1.1	11.0	0.5	290
6	7/1.04	3.12	0.7	1.0	7.2	0.3	1.2	11.7	0.6	330
10	7/1.35	4.05	0.7	1.0	8.1	0.3	1.2	12.7	0.6	400
16	7/1.7	5.1	0.7	1.0	9.4	0.3	1.3	14.2	0.7	500
25	7/2.14	6.42	0.9	1.0	11.1	0.3	1.3	15.9	0.8	660
35	7/2.52	7.56	0.9	1.0	12.3	0.3	1.4	17.3	0.9	800
50	19/1.78	8.9	1.0	1.0	13.8	0.3	1.4	18.8	0.9	980
70	19/2.14	10.7	1.1	1.0	15.8	0.3	1.5	21.0	1.1	1260
95	19/2.52	12.6	1.1	1.0	17.7	0.3	1.6	23.2	1.2	1580
120	37/2.03	14.21	1.2	1.0	19.5	0.3	1.7	25.2	1.3	1900
150	37/2.25	15.75	1.4	1.0	21.5	0.3	1.7	27.1	1.4	2250
185	37/2.52	17.64	1.6	1.0	23.8	0.3	1.8	29.7	1.5	2720
240	61/2.25	20.25	1.7	1.0	26.6	0.3	1.9	32.7	1.6	3390
300	61/2.52	22.68	1.8	1.2	29.7	0.3	2.1	36.2	1.8	4140

Table 2 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 2C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	9.5	0.3	1.3	14.3	0.7	400
2.5	7/0.67	2.01	0.7	1.0	10.3	0.3	1.3	15.1	0.8	460
4	7/0.85	2.55	0.7	1.0	11.4	0.3	1.3	16.2	0.8	540
6	7/1.04	3.12	0.7	1.0	12.5	0.3	1.4	17.6	0.9	630
10	7/1.35	4.05	0.7	1.0	14.4	0.3	1.5	19.6	1.0	810
16	7/1.7	5.1	0.7	1.0	17.0	0.3	1.6	22.4	1.1	1060
25	7/2.14	6.42	0.9	1.0	20.5	0.3	1.7	26.1	1.3	1440
35	7/2.52	7.56	0.9	1.0	22.8	0.3	1.8	28.6	1.4	1770
50	19/1.78	8.9	1.0	1.0	25.9	0.3	1.9	31.9	1.6	2240
70	19/2.14	10.7	1.1	1.2	30.3	0.4	2.1	37.1	1.9	3120
95	19/2.52	12.6	1.1	1.2	34.1	0.4	2.3	41.3	2.1	3950
120	37/2.03	14.21	1.2	1.4	38.1	0.4	2.4	45.6	2.3	4800
150	37/2.25	15.75	1.4	1.4	42.0	0.4	2.6	49.9	2.5	5700
185	37/2.52	17.64	1.6	1.4	46.7	0.4	2.8	55.0	2.7	6920
240	61/2.25	20.25	1.7	1.6	52.7	0.4	3.0	61.4	3.1	8720
300	61/2.52	22.68	1.8	1.6	58.0	0.4	3.2	67.1	3.4	10590

Table 3 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 3C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	10.0	0.3	1.3	14.8	0.7	450
2.5	7/0.67	2.01	0.7	1.0	10.9	0.3	1.3	15.7	0.8	520
4	7/0.85	2.55	0.7	1.0	12.1	0.3	1.4	17.1	0.9	620
6	7/1.04	3.12	0.7	1.0	13.3	0.3	1.4	18.3	0.9	740
10	7/1.35	4.05	0.7	1.0	15.3	0.3	1.5	20.5	1.0	950
16	7/1.7	5.1	0.7	1.0	18.1	0.3	1.6	23.5	1.2	1260
25	7/2.14	6.42	0.9	1.0	21.8	0.3	1.8	27.7	1.4	1750
35	7/2.52	7.56	0.9	1.0	24.3	0.3	1.9	30.3	1.5	2180
50	19/1.78	8.9	1.0	1.2	28.0	0.3	2.0	34.3	1.7	2800
70	19/2.14	10.7	1.1	1.2	32.3	0.4	2.2	39.4	2.0	3890
95	19/2.52	12.6	1.1	1.2	36.4	0.4	2.4	43.9	2.2	4960
120	37/2.03	14.21	1.2	1.4	40.7	0.4	2.5	48.4	2.4	6050
150	37/2.25	15.75	1.4	1.4	45.0	0.4	2.7	53.0	2.7	7220
185	37/2.52	17.64	1.6	1.6	50.3	0.4	2.9	58.8	2.9	8860
240	61/2.25	20.25	1.7	1.6	56.4	0.4	3.2	65.5	3.3	11190
300	61/2.52	22.68	1.8	1.6	62.1	0.4	3.4	71.6	3.6	13610

Table 4 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 4C

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	10.9	0.3	1.3	15.7	0.8	520
2.5	7/0.67	2.01	0.7	1.0	11.9	0.3	1.4	17.0	0.8	600
4	7/0.85	2.55	0.7	1.0	13.2	0.3	1.4	18.3	0.9	720
6	7/1.04	3.12	0.7	1.0	14.6	0.3	1.5	19.8	1.0	870
10	7/1.35	4.05	0.7	1.0	16.9	0.3	1.6	22.3	1.1	1140
16	7/1.7	5.1	0.7	1.0	20.0	0.3	1.7	25.6	1.3	1530
25	7/2.14	6.42	0.9	1.0	24.2	0.3	1.9	30.2	1.5	2150
35	7/2.52	7.56	0.9	1.0	26.9	0.3	2.0	33.2	1.7	2690
50	19/1.78	8.9	1.0	1.2	31.1	0.4	2.1	37.9	1.9	3640
70	19/2.14	10.7	1.1	1.2	35.9	0.4	2.3	43.2	2.2	4850
95	19/2.52	12.6	1.1	1.4	40.9	0.4	2.5	48.6	2.4	6270
120	37/2.03	14.21	1.2	1.4	45.3	0.4	2.7	53.4	2.7	7570
150	37/2.25	15.75	1.4	1.6	50.4	0.4	2.9	58.9	2.9	9160
185	37/2.52	17.64	1.6	1.6	56.0	0.4	3.1	64.9	3.2	11210
240	61/2.25	20.25	1.7	1.6	62.8	0.4	3.4	72.3	3.6	14160
300	61/2.52	22.68	1.8	1.8	69.5	0.4	3.7	79.7	4.0	17390

NEK606 Type Cable

0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB

Table 5 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 2C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	10.0	0.3	1.3	14.8	0.7	450
2.5	7/0.67	2.01	0.7	1.0	10.9	0.3	1.3	15.7	0.8	520
4	7/0.85	2.55	0.7	1.0	12.1	0.3	1.4	17.1	0.9	620
6	7/1.04	3.12	0.7	1.0	13.3	0.3	1.4	18.3	0.9	740
10	7/1.35	4.05	0.7	1.0	15.3	0.3	1.5	20.5	1.0	950
16	7/1.7	5.1	0.7	1.0	18.1	0.3	1.6	23.5	1.2	1260
25	7/2.14	6.42	0.9	1.0	21.8	0.3	1.8	27.7	1.4	1660
35	7/2.52	7.56	0.9	1.0	24.3	0.3	1.9	30.3	1.5	2080
50	19/1.78	8.9	1.0	1.2	28.0	0.3	2.0	34.3	1.7	2580
70	19/2.14	10.7	1.1	1.2	32.3	0.4	2.2	39.4	2.0	3540
95	19/2.52	12.6	1.1	1.2	36.4	0.4	2.4	43.9	2.2	4490
120	37/2.03	14.21	1.2	1.4	40.7	0.4	2.5	48.4	2.4	5560
150	37/2.25	15.75	1.4	1.4	45.0	0.4	2.7	53.0	2.7	6710
185	37/2.52	17.64	1.6	1.6	50.3	0.4	2.9	58.8	2.9	7970
240	61/2.25	20.25	1.7	1.6	56.4	0.4	3.2	65.5	3.3	9970
300	61/2.52	22.68	1.8	1.6	62.1	0.4	3.4	71.6	3.6	12050

Table 6 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 3C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	10.9	0.3	1.3	15.7	0.8	520
2.5	7/0.67	2.01	0.7	1.0	11.9	0.3	1.4	17.0	0.8	600
4	7/0.85	2.55	0.7	1.0	13.2	0.3	1.4	18.3	0.9	720
6	7/1.04	3.12	0.7	1.0	14.6	0.3	1.5	19.8	1.0	870
10	7/1.35	4.05	0.7	1.0	16.9	0.3	1.6	22.3	1.1	1140
16	7/1.7	5.1	0.7	1.0	20.0	0.3	1.7	25.6	1.3	1530
25	7/2.14	6.42	0.9	1.0	23.5	0.3	1.8	29.4	1.5	2020
35	7/2.52	7.56	0.9	1.0	26.6	0.3	1.9	32.7	1.6	2580
50	19/1.78	8.9	1.0	1.2	29.8	0.3	2.1	36.3	1.8	3180
70	19/2.14	10.7	1.1	1.2	34.1	0.4	2.3	41.4	2.1	4370
95	19/2.52	12.6	1.1	1.4	39.0	0.4	2.5	46.7	2.3	5650
120	37/2.03	14.21	1.2	1.4	43.4	0.4	2.6	51.3	2.6	6940
150	37/2.25	15.75	1.4	1.6	48.8	0.4	2.8	57.1	2.9	8510
185	37/2.52	17.64	1.6	1.6	52.9	0.4	3.0	61.6	3.1	10020
240	61/2.25	20.25	1.7	1.6	59.0	0.4	3.3	68.3	3.4	12550
300	61/2.52	22.68	1.8	1.8	65.4	0.4	3.5	75.1	3.8	15330

Table 7 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 4C+E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	0.7	1.0	12.0	0.3	1.4	17.0	0.8	580
2.5	7/0.67	2.01	0.7	1.0	13.1	0.3	1.4	18.1	0.9	680
4	7/0.85	2.55	0.7	1.0	14.6	0.3	1.5	19.8	1.0	840
6	7/1.04	3.12	0.7	1.0	16.1	0.3	1.5	21.3	1.1	1020
10	7/1.35	4.05	0.7	1.0	18.6	0.3	1.6	24.0	1.2	1350
16	7/1.7	5.1	0.7	1.0	22.1	0.3	1.8	28.0	1.4	1820
25	7/2.14	6.42	0.9	1.0	26.2	0.3	1.9	32.3	1.6	2460
35	7/2.52	7.56	0.9	1.2	30.0	0.4	2.1	36.8	1.8	3320
50	19/1.78	8.9	1.0	1.2	33.4	0.4	2.2	40.4	2.0	4090
70	19/2.14	10.7	1.1	1.4	38.7	0.4	2.4	46.2	2.3	5470
95	19/2.52	12.6	1.1	1.4	43.8	0.4	2.6	51.6	2.6	7020
120	37/2.03	14.21	1.2	1.6	49.1	0.4	2.9	57.6	2.9	8680
150	37/2.25	15.75	1.4	1.6	54.6	0.4	3.1	63.5	3.2	10550
185	37/2.52	17.64	1.6	1.6	59.5	0.4	3.3	68.9	3.4	12540
240	61/2.25	20.25	1.7	1.8	66.9	0.4	3.6	76.9	3.8	15880
300	61/2.52	22.68	1.8	1.8	73.7	0.4	3.8	84.1	4.2	19380

Table 8 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1	7/0.43	1.29	0.7	1.0	8.9	0.3	1.2	13.5	0.7	370
4	1	7/0.43	1.29	0.7	1.0	10.2	0.3	1.3	15.0	0.8	460
7	1	7/0.43	1.29	0.7	1.0	12.1	0.3	1.4	17.1	0.9	600
9	1	7/0.43	1.29	0.7	1.0	14.1	0.3	1.4	19.1	1.0	740
12	1	7/0.43	1.29	0.7	1.0	15.8	0.3	1.5	21.1	1.1	890
14	1	7/0.43	1.29	0.7	1.0	16.7	0.3	1.5	21.9	1.1	970
19	1	7/0.43	1.29	0.7	1.0	18.6	0.3	1.6	24.0	1.2	1180
23	1	7/0.43	1.29	0.7	1.0	20.6	0.3	1.7	26.2	1.3	1370
27	1	7/0.43	1.29	0.7	1.0	22.3	0.3	1.8	28.1	1.4	1570
33	1	7/0.43	1.29	0.7	1.0	24.1	0.3	1.8	29.9	1.5	1810
37	1	7/0.43	1.29	0.7	1.0	25.0	0.3	1.9	31.1	1.6	1940
44	1	7/0.43	1.29	0.7	1.2	28.7	0.3	2.0	34.9	1.7	2390

Table 9 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1.5	7/0.53	1.59	0.7	1.0	9.5	0.3	1.3	14.3	0.7	390
4	1.5	7/0.53	1.59	0.7	1.0	10.9	0.3	1.3	15.7	0.8	500
7	1.5	7/0.53	1.59	0.7	1.0	13.0	0.3	1.4	18.0	0.9	640
9	1.5	7/0.53	1.59	0.7	1.0	15.2	0.3	1.5	20.4	1.0	800
12	1.5	7/0.53	1.59	0.7	1.0	17.1	0.3	1.6	22.5	1.1	970
14	1.5	7/0.53	1.59	0.7	1.0	18.0	0.3	1.6	23.4	1.2	1050
19	1.5	7/0.53	1.59	0.7	1.0	20.1	0.3	1.7	25.7	1.3	1270
23	1.5	7/0.53	1.59	0.7	1.0	22.3	0.3	1.8	28.1	1.4	1500
27	1.5	7/0.53	1.59	0.7	1.0	24.1	0.3	1.8	30.0	1.5	1710
33	1.5	7/0.53	1.59	0.7	1.0	26.1	0.3	1.9	32.1	1.6	1970
37	1.5	7/0.53	1.59	0.7	1.2	27.5	0.3	2.0	33.8	1.7	2150
44	1.5	7/0.53	1.59	0.7	1.2	31.1	0.4	2.1	37.9	1.9	2750


Table 10 : 0.6/1kV - HBFCU,HBFOU,HBFBU,HBFCB,HBFOB,HBFB 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	2.5	7/0.67	2.01	0.7	1.0	10.3	0.3	1.3	15.1	0.8	430
4	2.5	7/0.67	2.01	0.7	1.0	11.9	0.3	1.4	17.0	0.8	540
7	2.5	7/0.67	2.01	0.7	1.0	14.3	0.3	1.5	19.5	1.0	710
9	2.5	7/0.67	2.01	0.7	1.0	16.7	0.3	1.6	22.2	1.1	890
12	2.5	7/0.67	2.01	0.7	1.0	18.8	0.3	1.6	24.2	1.2	1080
14	2.5	7/0.67	2.01	0.7	1.0	19.9	0.3	1.7	25.5	1.3	1180
19	2.5	7/0.67	2.01	0.7	1.0	22.2	0.3	1.8	28.0	1.4	1420
23	2.5	7/0.67	2.01	0.7	1.0	24.6	0.3	1.9	30.7	1.5	1680
27	2.5	7/0.67	2.01	0.7	1.0	26.7	0.3	2.0	33.0	1.6	1920
33	2.5	7/0.67	2.01	0.7	1.2	29.3	0.3	2.1	35.8	1.8	2240
37	2.5	7/0.67	2.01	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2570
44	2.5	7/0.67	2.01	0.7	1.2	34.4	0.4	2.3	41.7	2.1	3080

NEK606 Type Cable

0.6/1kV - HRFCU(C),HRFOU(C),HRFBU(C),HRFCB(C),HRFOB(C),HRFBB(C)

0.6/1kV - HRFCU(C),HRFOU(C),HRFBU(C),HRFCB(C),HRFOB(C),HRFBB(C)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation White with Core Number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HRFCU(C) 19C X 1.5SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminum/polyester with drain wire
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 0.6/1kV - HRFCU(C),HRFOU(C),HRFBU(C),HRFCB(C),HRFOB(C),HRFBB(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1	7/0.43	1.29	0.7	1.0	7.9	0.3	1.2	12.5	0.6	320
4	1	7/0.43	1.29	0.7	1.0	9.1	0.3	1.2	13.7	0.7	400
7	1	7/0.43	1.29	0.7	1.0	10.7	0.3	1.3	15.5	0.8	510
9	1	7/0.43	1.29	0.7	1.0	12.4	0.3	1.4	17.4	0.9	630
12	1	7/0.43	1.29	0.7	1.0	13.9	0.3	1.4	18.9	0.9	750
14	1	7/0.43	1.29	0.7	1.0	14.6	0.3	1.5	19.8	1.0	820
19	1	7/0.43	1.29	0.7	1.0	16.2	0.3	1.5	21.4	1.1	990
23	1	7/0.43	1.29	0.7	1.0	17.9	0.3	1.6	23.4	1.2	1140
27	1	7/0.43	1.29	0.7	1.0	19.4	0.3	1.7	25.0	1.3	1300
33	1	7/0.43	1.29	0.7	1.0	20.9	0.3	1.7	26.6	1.3	1500
37	1	7/0.43	1.29	0.7	1.0	21.7	0.3	1.8	27.6	1.4	1610
44	1	7/0.43	1.29	0.7	1.0	24.5	0.3	1.9	30.6	1.5	1920

Table 2 : 0.6/1kV - HRFCU(C),HRFOU(C),HRFBU(C),HRFCB(C),HRFOB(C),HRFBB(C) 1.5SQ

NO. of Cores	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1.5	7/0.53	1.59	0.7	1.0	8.5	0.3	1.2	13.1	0.7	350
4	1.5	7/0.53	1.59	0.7	1.0	9.8	0.3	1.3	14.6	0.7	430
7	1.5	7/0.53	1.59	0.7	1.0	11.6	0.3	1.3	16.4	0.8	550
9	1.5	7/0.53	1.59	0.7	1.0	13.5	0.3	1.4	18.5	0.9	690
12	1.5	7/0.53	1.59	0.7	1.0	15.1	0.3	1.5	20.3	1.0	810
14	1.5	7/0.53	1.59	0.7	1.0	15.9	0.3	1.5	21.1	1.1	890
19	1.5	7/0.53	1.59	0.7	1.0	17.7	0.3	1.6	23.1	1.2	1060
23	1.5	7/0.53	1.59	0.7	1.0	19.6	0.3	1.7	25.3	1.3	1250
27	1.5	7/0.53	1.59	0.7	1.0	21.2	0.3	1.7	26.9	1.3	1420
33	1.5	7/0.53	1.59	0.7	1.0	22.9	0.3	1.8	28.8	1.4	1620
37	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1750
44	1.5	7/0.53	1.59	0.7	1.0	26.9	0.3	2.0	33.2	1.7	2100

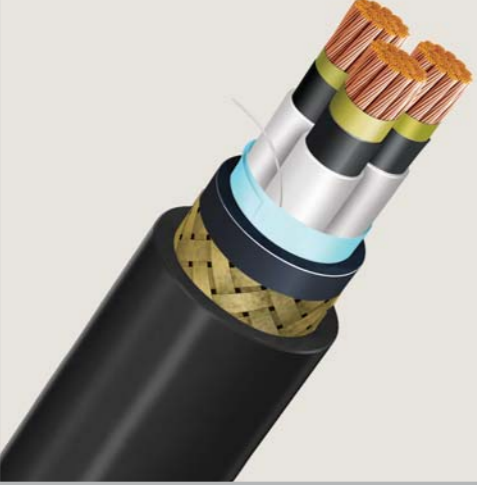
Table 3 : 0.6/1kV - HRFCU(C),HRFOU(C),HRFBU(C),HRFCB(C),HRFOB(C),HRFBB(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	2.5	7/0.67	2.01	0.7	1.0	9.4	0.3	1.3	14.2	0.7	380
4	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
7	2.5	7/0.67	2.01	0.7	1.0	12.9	0.3	1.4	17.9	0.9	610
9	2.5	7/0.67	2.01	0.7	1.0	15.0	0.3	1.5	20.2	1.0	760
12	2.5	7/0.67	2.01	0.7	1.0	16.9	0.3	1.6	22.3	1.1	910
14	2.5	7/0.67	2.01	0.7	1.0	17.8	0.3	1.6	23.2	1.2	990
19	2.5	7/0.67	2.01	0.7	1.0	19.8	0.3	1.7	25.5	1.3	1190
23	2.5	7/0.67	2.01	0.7	1.0	22.0	0.3	1.8	27.8	1.4	1390
27	2.5	7/0.67	2.01	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1590
33	2.5	7/0.67	2.01	0.7	1.0	25.7	0.3	1.9	31.8	1.6	1800
37	2.5	7/0.67	2.01	0.7	1.0	26.8	0.3	2.0	33.0	1.7	1950
44	2.5	7/0.67	2.01	0.7	1.2	30.7	0.4	2.1	37.5	1.9	2550

NEK606 Type Cable

0.6/1kV - HBFCU(C),HBFOU(C),HBFBU(C),HBFCB(C),HBFOB(C),HBFB(B)(C)

0.6/1kV - HBFCU(C),HBFOU(C),HBFBU(C),HBFCB(C),HBFOB(C),HBFB(B)(C)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation White with Core Number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HBFCU(C) 19C X 1.5SQMM LS CABLE [year]
 IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminum/polyester with drain wire
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 0.6/1kV - HBFCU(C),HBFOU(C),HBFBU(C),HBFCB(C),HBFOB(C),HBFB(B)(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1	7/0.43	1.29	0.7	1.0	8.9	0.3	1.2	13.5	0.7	370
4	1	7/0.43	1.29	0.7	1.0	10.2	0.3	1.3	15.0	0.8	460
7	1	7/0.43	1.29	0.7	1.0	12.1	0.3	1.4	17.1	0.9	600
9	1	7/0.43	1.29	0.7	1.0	14.1	0.3	1.4	19.1	1.0	740
12	1	7/0.43	1.29	0.7	1.0	15.8	0.3	1.5	21.1	1.1	890
14	1	7/0.43	1.29	0.7	1.0	16.7	0.3	1.5	21.9	1.1	970
19	1	7/0.43	1.29	0.7	1.0	18.6	0.3	1.6	24.0	1.2	1180
23	1	7/0.43	1.29	0.7	1.0	20.6	0.3	1.7	26.2	1.3	1370
27	1	7/0.43	1.29	0.7	1.0	22.3	0.3	1.8	28.1	1.4	1570
33	1	7/0.43	1.29	0.7	1.0	24.1	0.3	1.8	29.9	1.5	1810
37	1	7/0.43	1.29	0.7	1.0	25.0	0.3	1.9	31.1	1.6	1940
44	1	7/0.43	1.29	0.7	1.2	28.7	0.3	2.0	34.9	1.7	2390

Table 2 : 0.6/1kV - HBFCU(C),HBFOU(C),HBFBU(C),HBFCB(C),HBFOB(C),HBFB(B)(C) 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1.5	7/0.53	1.59	0.7	1.0	9.5	0.3	1.3	14.3	0.7	390
4	1.5	7/0.53	1.59	0.7	1.0	10.9	0.3	1.3	15.7	0.8	500
7	1.5	7/0.53	1.59	0.7	1.0	13.0	0.3	1.4	18.0	0.9	640
9	1.5	7/0.53	1.59	0.7	1.0	15.2	0.3	1.5	20.4	1.0	800
12	1.5	7/0.53	1.59	0.7	1.0	17.1	0.3	1.6	22.5	1.1	970
14	1.5	7/0.53	1.59	0.7	1.0	18.0	0.3	1.6	23.4	1.2	1050
19	1.5	7/0.53	1.59	0.7	1.0	20.1	0.3	1.7	25.7	1.3	1270
23	1.5	7/0.53	1.59	0.7	1.0	22.3	0.3	1.8	28.1	1.4	1500
27	1.5	7/0.53	1.59	0.7	1.0	24.1	0.3	1.8	30.0	1.5	1710
33	1.5	7/0.53	1.59	0.7	1.0	26.1	0.3	1.9	32.1	1.6	1970
37	1.5	7/0.53	1.59	0.7	1.2	27.5	0.3	2.0	33.8	1.7	2150
44	1.5	7/0.53	1.59	0.7	1.2	31.1	0.4	2.1	37.9	1.9	2750


Table 3 : 0.6/1kV - HBFCU(C),HBFOU(C),HBFBU(C),HBFCB(C),HBFOB(C),HBFB(B)(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	2.5	7/0.67	2.01	0.7	1.0	10.3	0.3	1.3	15.1	0.8	430
4	2.5	7/0.67	2.01	0.7	1.0	11.9	0.3	1.4	17.0	0.8	540
7	2.5	7/0.67	2.01	0.7	1.0	14.3	0.3	1.5	19.5	1.0	710
9	2.5	7/0.67	2.01	0.7	1.0	16.7	0.3	1.6	22.2	1.1	890
12	2.5	7/0.67	2.01	0.7	1.0	18.8	0.3	1.6	24.2	1.2	1080
14	2.5	7/0.67	2.01	0.7	1.0	19.9	0.3	1.7	25.5	1.3	1180
19	2.5	7/0.67	2.01	0.7	1.0	22.2	0.3	1.8	28.0	1.4	1420
23	2.5	7/0.67	2.01	0.7	1.0	24.6	0.3	1.9	30.7	1.5	1680
27	2.5	7/0.67	2.01	0.7	1.0	26.7	0.3	2.0	33.0	1.6	1920
33	2.5	7/0.67	2.01	0.7	1.2	29.3	0.3	2.1	35.8	1.8	2240
37	2.5	7/0.67	2.01	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2570
44	2.5	7/0.67	2.01	0.7	1.2	34.4	0.4	2.3	41.7	2.1	3080

NEK606 Type Cable

0.6/1kV - HRFXU(C),HRFXB(C)

0.6/1kV - HRFXU(C),HRFXB(C)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation White with core number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HRFXU(C) 2C X 1SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1 : 0.6/1kV - HRFXU(C),HRFXB(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	1.0	7.9	1.1	10.3	0.5	150
4	1	7/0.43	1.29	0.7	1.0	9.1	1.2	11.7	0.6	200
7	1	7/0.43	1.29	0.7	1.0	10.7	1.2	13.3	0.7	290
9	1	7/0.43	1.29	0.7	1.0	12.4	1.3	15.2	0.8	370
12	1	7/0.43	1.29	0.7	1.0	13.9	1.4	16.9	0.8	470
14	1	7/0.43	1.29	0.7	1.0	14.6	1.4	17.6	0.9	520
19	1	7/0.43	1.29	0.7	1.0	16.2	1.4	19.3	1.0	650
23	1	7/0.43	1.29	0.7	1.0	17.9	1.5	21.2	1.1	790
27	1	7/0.43	1.29	0.7	1.0	19.4	1.6	22.9	1.1	920
33	1	7/0.43	1.29	0.7	1.0	20.9	1.6	24.4	1.2	1070
37	1	7/0.43	1.29	0.7	1.0	21.7	1.7	25.4	1.3	1180
44	1	7/0.43	1.29	0.7	1.0	24.5	1.8	28.4	1.4	1440

Table 2 : 0.6/1kV - HRFXU(C),HRFXB(C) 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	8.5	1.1	10.9	0.5	160
4	1.5	7/0.53	1.59	0.7	1.0	9.8	1.2	12.4	0.6	220
7	1.5	7/0.53	1.59	0.7	1.0	11.6	1.3	14.4	0.7	310
9	1.5	7/0.53	1.59	0.7	1.0	13.5	1.3	16.3	0.8	400
12	1.5	7/0.53	1.59	0.7	1.0	15.1	1.4	18.2	0.9	510
14	1.5	7/0.53	1.59	0.7	1.0	15.9	1.4	19.0	0.9	560
19	1.5	7/0.53	1.59	0.7	1.0	17.7	1.5	21.0	1.0	710
23	1.5	7/0.53	1.59	0.7	1.0	19.6	1.6	23.1	1.2	860
27	1.5	7/0.53	1.59	0.7	1.0	21.2	1.6	24.7	1.2	990
33	1.5	7/0.53	1.59	0.7	1.0	22.9	1.7	26.6	1.3	1170
37	1.5	7/0.53	1.59	0.7	1.0	23.8	1.8	27.7	1.4	1280
44	1.5	7/0.53	1.59	0.7	1.0	26.9	1.9	31.0	1.5	1580


Table 3 : 0.6/1kV - HRFXU(C),HRFXB(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	9.4	1.2	12.0	0.6	180
4	2.5	7/0.67	2.01	0.7	1.0	10.8	1.2	13.4	0.7	240
7	2.5	7/0.67	2.01	0.7	1.0	12.9	1.3	15.7	0.8	350
9	2.5	7/0.67	2.01	0.7	1.0	15.0	1.4	18.1	0.9	450
12	2.5	7/0.67	2.01	0.7	1.0	16.9	1.5	20.1	1.0	570
14	2.5	7/0.67	2.01	0.7	1.0	17.8	1.5	21.0	1.1	630
19	2.5	7/0.67	2.01	0.7	1.0	19.8	1.6	23.3	1.2	790
23	2.5	7/0.67	2.01	0.7	1.0	22.0	1.7	25.6	1.3	960
27	2.5	7/0.67	2.01	0.7	1.0	23.8	1.8	27.7	1.4	1120
33	2.5	7/0.67	2.01	0.7	1.0	25.7	1.8	29.6	1.5	1310
37	2.5	7/0.67	2.01	0.7	1.0	26.8	1.9	30.9	1.5	1430
44	2.5	7/0.67	2.01	0.7	1.2	30.7	2.0	35.0	1.7	1800

NEK606 Type Cable

0.6/1kV - HBFXU(C),HBFXB(C)

0.6/1kV - HBFXU(C),HBFXB(C)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation White with core number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HBFXU(C) 2C X 1SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1 : 0.6/1kV - HBFXU(C),HBFXB(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	1.0	8.9	1.2	11.5	0.6	180
4	1	7/0.43	1.29	0.7	1.0	10.2	1.2	12.8	0.6	240
7	1	7/0.43	1.29	0.7	1.0	12.1	1.3	14.9	0.7	350
9	1	7/0.43	1.29	0.7	1.0	14.1	1.4	17.2	0.9	460
12	1	7/0.43	1.29	0.7	1.0	15.8	1.4	18.9	0.9	570
14	1	7/0.43	1.29	0.7	1.0	16.7	1.5	19.9	1.0	640
19	1	7/0.43	1.29	0.7	1.0	18.6	1.5	21.8	1.1	800
23	1	7/0.43	1.29	0.7	1.0	20.6	1.6	24.0	1.2	970
27	1	7/0.43	1.29	0.7	1.0	22.3	1.7	26.0	1.3	1130
33	1	7/0.43	1.29	0.7	1.0	24.1	1.8	28.0	1.4	1340
37	1	7/0.43	1.29	0.7	1.0	25.0	1.8	28.9	1.4	1450
44	1	7/0.43	1.29	0.7	1.2	28.7	1.9	32.8	1.6	1810

Table 2 : 0.6/1kV - HBFXU(C),HBFXB(C) 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	9.5	1.2	12.1	0.6	190
4	1.5	7/0.53	1.59	0.7	1.0	10.9	1.2	13.6	0.7	260
7	1.5	7/0.53	1.59	0.7	1.0	13.0	1.3	15.8	0.8	380
9	1.5	7/0.53	1.59	0.7	1.0	15.2	1.4	18.2	0.9	500
12	1.5	7/0.53	1.59	0.7	1.0	17.1	1.5	20.3	1.0	630
14	1.5	7/0.53	1.59	0.7	1.0	18.0	1.5	21.2	1.1	700
19	1.5	7/0.53	1.59	0.7	1.0	20.1	1.6	23.5	1.2	880
23	1.5	7/0.53	1.59	0.7	1.0	22.3	1.7	25.9	1.3	1060
27	1.5	7/0.53	1.59	0.7	1.0	24.1	1.8	28.0	1.4	1240
33	1.5	7/0.53	1.59	0.7	1.0	26.1	1.8	30.0	1.5	1450
37	1.5	7/0.53	1.59	0.7	1.2	27.5	1.9	31.6	1.6	1620
44	1.5	7/0.53	1.59	0.7	1.2	31.1	2.0	35.4	1.8	1990


Table 3 : 0.6/1kV - HBFXU(C),HBFXB(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	10.3	1.2	12.9	0.6	210
4	2.5	7/0.67	2.01	0.7	1.0	11.9	1.3	14.8	0.7	300
7	2.5	7/0.67	2.01	0.7	1.0	14.3	1.4	17.3	0.9	430
9	2.5	7/0.67	2.01	0.7	1.0	16.7	1.5	20.0	1.0	560
12	2.5	7/0.67	2.01	0.7	1.0	18.8	1.6	22.3	1.1	710
14	2.5	7/0.67	2.01	0.7	1.0	19.9	1.6	23.3	1.2	780
19	2.5	7/0.67	2.01	0.7	1.0	22.2	1.7	25.8	1.3	990
23	2.5	7/0.67	2.01	0.7	1.0	24.6	1.8	28.5	1.4	1200
27	2.5	7/0.67	2.01	0.7	1.0	26.7	1.9	30.8	1.5	1400
33	2.5	7/0.67	2.01	0.7	1.2	29.3	2.0	33.6	1.7	1680
37	2.5	7/0.67	2.01	0.7	1.2	30.5	2.0	34.8	1.7	1820
44	2.5	7/0.67	2.01	0.7	1.2	34.4	2.2	39.2	2.0	2270

NEK606 Type Cable

0.6/1kV - HRU,HRB

0.6/1kV - HRU,HRB



Voltage Rating
 ■ 0.6/1kV

Maximum Conductor Temperature
 ■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation 1C : Gray
 2C : Gray, Black
 3C : Gray, Black, Red
 4C : Gray, Black, Red, Blue
 Multi Core : White with Core Number
 Earth : Green/Yellow
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HRU 3C X 120SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2

- Fire proof layer N/A
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A

Table 1 : 0.6/1kV - HRU,HRB 1C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.0	5.3	0.3	40
2.5	7/0.67	2.01	0.7	1.0	5.7	0.3	50
4	7/0.85	2.55	0.7	1.0	6.3	0.3	70
6	7/1.04	3.12	0.7	1.0	6.8	0.3	90
10	7/1.35	4.05	0.7	1.0	7.8	0.4	140
16	7/1.7	5.1	0.7	1.1	9.1	0.5	200
25	7/2.14	6.42	0.9	1.1	10.8	0.5	310
35	7/2.52	7.56	0.9	1.2	12.2	0.6	410
50	19/1.78	8.9	1.0	1.2	13.8	0.7	540
70	19/2.14	10.7	1.1	1.3	16.0	0.8	770
95	19/2.52	12.6	1.1	1.4	18.2	0.9	1040
120	37/2.03	14.21	1.2	1.5	20.3	1.0	1300
150	37/2.25	15.75	1.4	1.6	22.4	1.1	1600
185	37/2.52	17.64	1.6	1.7	25.0	1.2	2000
240	61/2.25	20.25	1.7	1.8	28.0	1.4	2590
300	61/2.52	22.68	1.8	1.9	30.8	1.5	3220

Table 2 : 0.6/1kV - HRU,HRB 2C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	8.9	0.4	120
2.5	7/0.67	2.01	0.7	1.1	9.7	0.5	150
4	7/0.85	2.55	0.7	1.1	10.9	0.5	200
6	7/1.04	3.12	0.7	1.2	12.2	0.6	260
10	7/1.35	4.05	0.7	1.3	14.3	0.7	390
16	7/1.7	5.1	0.7	1.4	16.7	0.8	550
25	7/2.14	6.42	0.9	1.5	20.4	1.0	840
35	7/2.52	7.56	0.9	1.6	22.9	1.1	1110
50	19/1.78	8.9	1.0	1.7	26.4	1.3	1480
70	19/2.14	10.7	1.1	1.9	30.8	1.5	2080
95	19/2.52	12.6	1.1	2.0	35.0	1.8	2760
120	37/2.03	14.21	1.2	2.2	39.1	2.0	3440
150	37/2.25	15.75	1.4	2.3	43.2	2.2	4210
185	37/2.52	17.64	1.6	2.5	48.3	2.4	5260
240	61/2.25	20.25	1.7	2.7	54.3	2.7	6800
300	61/2.52	22.68	1.8	3.0	60.2	3.0	8470

Table 3 : 0.6/1kV - HRU,HRB 3C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	9.3	0.5	140
2.5	7/0.67	2.01	0.7	1.1	10.2	0.5	190
4	7/0.85	2.55	0.7	1.2	11.7	0.6	260
6	7/1.04	3.12	0.7	1.2	12.9	0.6	330
10	7/1.35	4.05	0.7	1.3	15.1	0.8	490
16	7/1.7	5.1	0.7	1.4	17.7	0.9	720
25	7/2.14	6.42	0.9	1.5	21.6	1.1	1100
35	7/2.52	7.56	0.9	1.6	24.3	1.2	1450
50	19/1.78	8.9	1.0	1.8	28.3	1.4	1950
70	19/2.14	10.7	1.1	2.0	33.0	1.7	2760
95	19/2.52	12.6	1.1	2.1	37.5	1.9	3680
120	37/2.03	14.21	1.2	2.3	41.9	2.1	4580
150	37/2.25	15.75	1.4	2.4	46.3	2.3	5600
185	37/2.52	17.64	1.6	2.6	51.7	2.6	7000
240	61/2.25	20.25	1.7	2.9	58.4	2.9	9100
300	61/2.52	22.68	1.8	3.1	64.5	3.2	11300

Table 4 : 0.6/1kV - HRU,HRB 4C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	10.1	0.5	180
2.5	7/0.67	2.01	0.7	1.2	11.3	0.6	240
4	7/0.85	2.55	0.7	1.2	12.8	0.6	320
6	7/1.04	3.12	0.7	1.3	14.3	0.7	430
10	7/1.35	4.05	0.7	1.4	16.8	0.8	630
16	7/1.7	5.1	0.7	1.5	19.6	1.0	920
25	7/2.14	6.42	0.9	1.6	24.0	1.2	1410
35	7/2.52	7.56	0.9	1.7	27.0	1.3	1860
50	19/1.78	8.9	1.0	1.9	31.4	1.6	2520
70	19/2.14	10.7	1.1	2.1	36.7	1.8	3560
95	19/2.52	12.6	1.1	2.3	41.9	2.1	4770
120	37/2.03	14.21	1.2	2.5	46.7	2.3	5930
150	37/2.25	15.75	1.4	2.6	51.6	2.6	7260
185	37/2.52	17.64	1.6	2.9	57.8	2.9	9100
240	61/2.25	20.25	1.7	3.1	65.1	3.3	11800
300	61/2.52	22.68	1.8	3.4	72.0	3.6	14690

NEK606 Type Cable

0.6/1kV - HRU,HRB

Table 5 : 0.6/1kV - HRU,HRB 2C + E

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	9.3	0.5	140
2.5	7/0.67	2.01	0.7	1.1	10.2	0.5	190
4	7/0.85	2.55	0.7	1.2	11.7	0.6	260
6	7/1.04	3.12	0.7	1.2	12.9	0.6	330
10	7/1.35	4.05	0.7	1.3	15.1	0.8	490
16	7/1.7	5.1	0.7	1.4	17.7	0.9	720
25	7/2.14	6.42	0.9	1.5	21.6	1.1	1000
35	7/2.52	7.56	0.9	1.6	24.3	1.2	1350
50	19/1.78	8.9	1.0	1.8	28.3	1.4	1730
70	19/2.14	10.7	1.1	2.0	33.0	1.7	2410
95	19/2.52	12.6	1.1	2.1	37.5	1.9	3210
120	37/2.03	14.21	1.2	2.3	41.9	2.1	4080
150	37/2.25	15.75	1.4	2.4	46.3	2.3	5090
185	37/2.52	17.64	1.6	2.6	51.7	2.6	6110
240	61/2.25	20.25	1.7	2.9	58.4	2.9	7880
300	61/2.52	22.68	1.8	3.1	64.5	3.2	9750

Table 6 : 0.6/1kV - HRU,HRB 3C + E

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	10.1	0.5	180
2.5	7/0.67	2.01	0.7	1.2	11.3	0.6	240
4	7/0.85	2.55	0.7	1.2	12.8	0.6	320
6	7/1.04	3.12	0.7	1.3	14.3	0.7	430
10	7/1.35	4.05	0.7	1.4	16.8	0.8	630
16	7/1.7	5.1	0.7	1.5	19.6	1.0	920
25	7/2.14	6.42	0.9	1.6	23.4	1.2	1300
35	7/2.52	7.56	0.9	1.7	26.7	1.3	1760
50	19/1.78	8.9	1.0	1.8	29.9	1.5	2240
70	19/2.14	10.7	1.1	2.0	34.6	1.7	3130
95	19/2.52	12.6	1.1	2.2	39.8	2.0	4210
120	37/2.03	14.21	1.2	2.4	44.6	2.2	5340
150	37/2.25	15.75	1.4	2.6	50.0	2.5	6670
185	37/2.52	17.64	1.6	2.7	54.4	2.7	7990
240	61/2.25	20.25	1.7	3.0	61.1	3.1	10310
300	61/2.52	22.68	1.8	3.2	67.5	3.4	12790

Table 7 : 0.6/1kV - HRU,HRB 4C + E

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	11.0	0.5	210
2.5	7/0.67	2.01	0.7	1.2	12.3	0.6	290
4	7/0.85	2.55	0.7	1.3	14.1	0.7	400
6	7/1.04	3.12	0.7	1.3	15.7	0.8	520
10	7/1.35	4.05	0.7	1.4	18.4	0.9	780
16	7/1.7	5.1	0.7	1.5	21.6	1.1	1130
25	7/2.14	6.42	0.9	1.7	26.1	1.3	1640
35	7/2.52	7.56	0.9	1.8	29.7	1.5	2210
50	19/1.78	8.9	1.0	2.0	33.7	1.7	2860
70	19/2.14	10.7	1.1	2.2	39.1	2.0	4010
95	19/2.52	12.6	1.1	2.4	44.8	2.2	5390
120	37/2.03	14.21	1.2	2.6	50.1	2.5	6800
150	37/2.25	15.75	1.4	2.8	56.1	2.8	8460
185	37/2.52	17.64	1.6	3.0	61.5	3.1	10250
240	61/2.25	20.25	1.7	3.3	69.1	3.5	13240
300	61/2.52	22.68	1.8	3.6	76.5	3.8	16470

Table 8 : 0.6/1kV - HRU,HRB 1.0SQ

No. of cores	Conductor			Sheath thickness mm	Overall diameter of cable mm	Overinner covering diameter mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size mm ²	Const. No./mm	Dia. mm					
2	1	7/0.43	1.29	0.5	1.0	8.0	0.4	100
4	1	7/0.43	1.29	0.5	1.1	9.4	0.5	150
7	1	7/0.43	1.29	0.5	1.1	11.0	0.6	220
9	1	7/0.43	1.29	0.5	1.2	12.9	0.6	300
12	1	7/0.43	1.29	0.5	1.3	14.6	0.7	380
14	1	7/0.43	1.29	0.5	1.3	15.3	0.8	430
19	1	7/0.43	1.29	0.5	1.4	17.2	0.9	560
23	1	7/0.43	1.29	0.5	1.4	18.9	0.9	680
27	1	7/0.43	1.29	0.5	1.5	20.5	1.0	800
33	1	7/0.43	1.29	0.5	1.6	22.3	1.1	960
37	1	7/0.43	1.29	0.5	1.6	23.1	1.2	1050
44	1	7/0.43	1.29	0.5	1.7	26.1	1.3	1290

Table 9 : 0.6/1kV - HRU,HRB 1.5SQ

No. of cores	Conductor			Sheath thickness mm	Overall diameter of cable mm	Overinner covering diameter mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size mm ²	Const. No./mm	Dia. mm					
2	1.5	7/0.53	1.59	0.6	1.1	8.9	0.4	110
4	1.5	7/0.53	1.59	0.6	1.1	10.1	0.5	160
7	1.5	7/0.53	1.59	0.6	1.2	12.1	0.6	240
9	1.5	7/0.53	1.59	0.6	1.3	14.2	0.7	330
12	1.5	7/0.53	1.59	0.6	1.3	15.9	0.8	410
14	1.5	7/0.53	1.59	0.6	1.4	16.9	0.8	470
19	1.5	7/0.53	1.59	0.6	1.4	18.7	0.9	600
23	1.5	7/0.53	1.59	0.6	1.5	20.8	1.0	740
27	1.5	7/0.53	1.59	0.6	1.6	22.6	1.1	870
33	1.5	7/0.53	1.59	0.6	1.6	24.3	1.2	1030
37	1.5	7/0.53	1.59	0.6	1.7	25.4	1.3	1140
44	1.5	7/0.53	1.59	0.6	1.8	28.7	1.4	1410

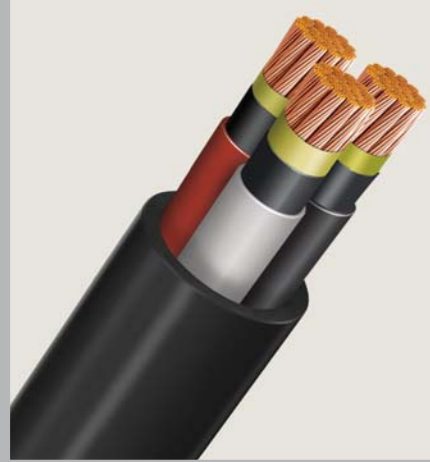
Table 10 : 0.6/1kV - HRU,HRB 2.5SQ

No. of cores	Conductor			Sheath thickness mm	Overall diameter of cable mm	Overinner covering diameter mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size mm ²	Const. No./mm	Dia. mm					
2	2.5	7/0.67	2.01	0.6	1.1	9.7	0.5	120
4	2.5	7/0.67	2.01	0.6	1.2	11.3	0.6	180
7	2.5	7/0.67	2.01	0.6	1.2	13.4	0.7	270
9	2.5	7/0.67	2.01	0.6	1.3	15.7	0.8	360
12	2.5	7/0.67	2.01	0.6	1.4	17.8	0.9	470
14	2.5	7/0.67	2.01	0.6	1.4	18.7	0.9	520
19	2.5	7/0.67	2.01	0.6	1.5	21.0	1.0	670
23	2.5	7/0.67	2.01	0.6	1.6	23.3	1.2	830
27	2.5	7/0.67	2.01	0.6	1.7	25.4	1.3	980
33	2.5	7/0.67	2.01	0.6	1.7	27.3	1.4	1150
37	2.5	7/0.67	2.01	0.6	1.8	28.6	1.4	1260
44	2.5	7/0.67	2.01	0.6	1.9	32.3	1.6	1580

NEK606 Type Cable

0.6/1kV - HBU,HBB

0.6/1kV - HBU,HBB



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation 1C : Gray
 2C : Gray, Black
 3C : Gray, Black, Red
 4C : Gray, Black, Red, Blue
 Multi Core : White with Core Number
 Earth : Green/Yellow
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 0.6/1kV HBU 3C X 120SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A

Table 1 : 0.6/1kV - HBU,HBB 1C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.0	5.7	0.3	50
2.5	7/0.67	2.01	0.7	1.0	6.1	0.3	60
4	7/0.85	2.55	0.7	1.0	6.7	0.3	80
6	7/1.04	3.12	0.7	1.0	7.3	0.4	100
10	7/1.35	4.05	0.7	1.0	8.2	0.4	150
16	7/1.7	5.1	0.7	1.1	9.7	0.5	220
25	7/2.14	6.42	0.9	1.2	11.6	0.6	340
35	7/2.52	7.56	0.9	1.2	12.8	0.6	440
50	19/1.78	8.9	1.0	1.3	14.5	0.7	580
70	19/2.14	10.7	1.1	1.3	16.6	0.8	800
95	19/2.52	12.6	1.1	1.4	18.7	0.9	1080
120	37/2.03	14.21	1.2	1.5	20.7	1.0	1340
150	37/2.25	15.75	1.4	1.6	22.9	1.1	1650
185	37/2.52	17.64	1.6	1.7	25.4	1.3	2050
240	61/2.25	20.25	1.7	1.8	28.4	1.4	2650
300	61/2.52	22.68	1.8	1.9	31.3	1.6	3280

Table 2 : 0.6/1kV - HBU,HBB 2C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	9.8	0.5	140
2.5	7/0.67	2.01	0.7	1.1	10.6	0.5	180
4	7/0.85	2.55	0.7	1.2	11.9	0.6	230
6	7/1.04	3.12	0.7	1.2	13.1	0.7	300
10	7/1.35	4.05	0.7	1.3	15.1	0.8	430
16	7/1.7	5.1	0.7	1.4	17.9	0.9	610
25	7/2.14	6.42	0.9	1.5	21.6	1.1	910
35	7/2.52	7.56	0.9	1.6	24.1	1.2	1180
50	19/1.78	8.9	1.0	1.8	27.6	1.4	1580
70	19/2.14	10.7	1.1	1.9	31.9	1.6	2180
95	19/2.52	12.6	1.1	2.1	36.1	1.8	2890
120	37/2.03	14.21	1.2	2.2	39.9	2.0	3560
150	37/2.25	15.75	1.4	2.4	44.3	2.2	4360
185	37/2.52	17.64	1.6	2.6	49.3	2.5	5430
240	61/2.25	20.25	1.7	2.8	55.4	2.8	6990
300	61/2.52	22.68	1.8	3.0	61.1	3.1	8650

Table 3 : 0.6/1kV - HBU,HBB 3C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	10.3	0.5	170
2.5	7/0.67	2.01	0.7	1.2	11.4	0.6	220
4	7/0.85	2.55	0.7	1.2	12.6	0.6	290
6	7/1.04	3.12	0.7	1.3	14.0	0.7	380
10	7/1.35	4.05	0.7	1.3	16.0	0.8	540
16	7/1.7	5.1	0.7	1.4	19.0	1.0	790
25	7/2.14	6.42	0.9	1.6	23.2	1.2	1190
35	7/2.52	7.56	0.9	1.7	25.9	1.3	1550
50	19/1.78	8.9	1.0	1.8	29.4	1.5	2060
70	19/2.14	10.7	1.1	2.0	34.1	1.7	2880
95	19/2.52	12.6	1.1	2.2	38.6	1.9	3830
120	37/2.03	14.21	1.2	2.3	42.8	2.1	4730
150	37/2.25	15.75	1.4	2.5	47.4	2.4	5790
185	37/2.52	17.64	1.6	2.7	52.8	2.6	7210
240	61/2.25	20.25	1.7	2.9	59.3	3.0	9310
300	61/2.52	22.68	1.8	3.2	65.6	3.3	11570

Table 4 : 0.6/1kV - HBU,HBB 4C

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.2	11.5	0.6	220
2.5	7/0.67	2.01	0.7	1.2	12.5	0.6	280
4	7/0.85	2.55	0.7	1.2	13.8	0.7	360
6	7/1.04	3.12	0.7	1.3	15.4	0.8	480
10	7/1.35	4.05	0.7	1.4	17.8	0.9	700
16	7/1.7	5.1	0.7	1.5	21.1	1.1	1010
25	7/2.14	6.42	0.9	1.7	25.8	1.3	1530
35	7/2.52	7.56	0.9	1.8	28.7	1.4	2000
50	19/1.78	8.9	1.0	1.9	32.7	1.6	2650
70	19/2.14	10.7	1.1	2.1	37.9	1.9	3720
95	19/2.52	12.6	1.1	2.3	42.9	2.1	4950
120	37/2.03	14.21	1.2	2.5	47.7	2.4	6130
150	37/2.25	15.75	1.4	2.7	52.9	2.6	7500
185	37/2.52	17.64	1.6	2.9	58.9	2.9	9340
240	61/2.25	20.25	1.7	3.2	66.3	3.3	12100
300	61/2.52	22.68	1.8	3.4	73.1	3.7	15000

NEK606 Type Cable

0.6/1kV - HBU,HBB

Table 5 : 0.6/1kV - HBU,HBB 2C + E

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.1	10.3	0.5	170
2.5	7/0.67	2.01	0.7	1.2	11.4	0.6	220
4	7/0.85	2.55	0.7	1.2	12.6	0.6	290
6	7/1.04	3.12	0.7	1.3	14.0	0.7	380
10	7/1.35	4.05	0.7	1.3	16.0	0.8	540
16	7/1.7	5.1	0.7	1.4	19.0	1.0	790
25	7/2.14	6.42	0.9	1.6	23.2	1.2	1090
35	7/2.52	7.56	0.9	1.7	25.9	1.3	1460
50	19/1.78	8.9	1.0	1.8	29.4	1.5	1830
70	19/2.14	10.7	1.1	2.0	34.1	1.7	2540
95	19/2.52	12.6	1.1	2.2	38.6	1.9	3360
120	37/2.03	14.21	1.2	2.3	42.8	2.1	4240
150	37/2.25	15.75	1.4	2.5	47.4	2.4	5280
185	37/2.52	17.64	1.6	2.7	52.8	2.6	6320
240	61/2.25	20.25	1.7	2.9	59.3	3.0	8090
300	61/2.52	22.68	1.8	3.2	65.6	3.3	10010

Table 6 : 0.6/1kV - HBU,HBB 3C + E

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.2	11.5	0.6	220
2.5	7/0.67	2.01	0.7	1.2	12.5	0.6	280
4	7/0.85	2.55	0.7	1.2	13.8	0.7	360
6	7/1.04	3.12	0.7	1.3	15.4	0.8	480
10	7/1.35	4.05	0.7	1.4	17.8	0.9	700
16	7/1.7	5.1	0.7	1.5	21.1	1.1	1010
25	7/2.14	6.42	0.9	1.7	25.1	1.3	1410
35	7/2.52	7.56	0.9	1.8	28.4	1.4	1900
50	19/1.78	8.9	1.0	1.9	31.4	1.6	2390
70	19/2.14	10.7	1.1	2.1	36.2	1.8	3310
95	19/2.52	12.6	1.1	2.2	40.9	2.0	4380
120	37/2.03	14.21	1.2	2.4	45.7	2.3	5530
150	37/2.25	15.75	1.4	2.6	51.0	2.6	6880
185	37/2.52	17.64	1.6	2.8	55.6	2.8	8250
240	61/2.25	20.25	1.7	3.0	62.1	3.1	10580
300	61/2.52	22.68	1.8	3.3	68.7	3.4	13120

Table 7 : 0.6/1kV - HBU,HBB 4C + E

Size mm ²	Conductor		Insulation thickness mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Const. No./mm	Dia. mm					
1.5	7/0.53	1.59	0.7	1.2	12.5	0.6	260
2.5	7/0.67	2.01	0.7	1.2	13.6	0.7	340
4	7/0.85	2.55	0.7	1.3	15.3	0.8	450
6	7/1.04	3.12	0.7	1.4	17.0	0.9	590
10	7/1.35	4.05	0.7	1.5	19.8	1.0	870
16	7/1.7	5.1	0.7	1.6	23.5	1.2	1250
25	7/2.14	6.42	0.9	1.8	28.0	1.4	1780
35	7/2.52	7.56	0.9	1.9	31.6	1.6	2380
50	19/1.78	8.9	1.0	2.0	35.2	1.8	3030
70	19/2.14	10.7	1.1	2.2	40.5	2.0	4210
95	19/2.52	12.6	1.1	2.4	46.0	2.3	5600
120	37/2.03	14.21	1.2	2.6	51.3	2.6	7040
150	37/2.25	15.75	1.4	2.9	57.4	2.9	8760
185	37/2.52	17.64	1.6	3.1	62.9	3.1	10580
240	61/2.25	20.25	1.7	3.3	70.2	3.5	13580
300	61/2.52	22.68	1.8	3.6	77.6	3.9	16840

Table 8 : 0.6/1kV - HBU,HBB 1.0SQ

No. of cores	Conductor			Sheath thickness mm	Overall diameter of cable mm	Overinner covering diameter mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size mm ²	Const. No./mm	Dia. mm					
2	1	7/0.43	1.29	0.5	1.1	9.2	0.5	120
4	1	7/0.43	1.29	0.5	1.1	10.5	0.5	180
7	1	7/0.43	1.29	0.5	1.2	12.6	0.6	270
9	1	7/0.43	1.29	0.5	1.3	14.9	0.7	370
12	1	7/0.43	1.29	0.5	1.4	16.8	0.8	480
14	1	7/0.43	1.29	0.5	1.4	17.6	0.9	540
19	1	7/0.43	1.29	0.5	1.5	19.7	1.0	690
23	1	7/0.43	1.29	0.5	1.5	21.7	1.1	840
27	1	7/0.43	1.29	0.5	1.6	23.7	1.2	990
33	1	7/0.43	1.29	0.5	1.7	25.6	1.3	1190
37	1	7/0.43	1.29	0.5	1.7	26.6	1.3	1300
44	1	7/0.43	1.29	0.5	1.9	30.3	1.5	1620

Table 9 : 0.6/1kV - HBU,HBB 1.5SQ

No. of cores	Conductor			Sheath thickness mm	Overall diameter of cable mm	Overinner covering diameter mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size mm ²	Const. No./mm	Dia. mm					
2	1.5	7/0.53	1.59	0.6	1.1	9.8	0.5	130
4	1.5	7/0.53	1.59	0.6	1.2	11.5	0.6	200
7	1.5	7/0.53	1.59	0.6	1.2	13.5	0.7	300
9	1.5	7/0.53	1.59	0.6	1.3	15.9	0.8	400
12	1.5	7/0.53	1.59	0.6	1.4	18.0	0.9	520
14	1.5	7/0.53	1.59	0.6	1.4	18.9	0.9	580
19	1.5	7/0.53	1.59	0.6	1.5	21.2	1.1	750
23	1.5	7/0.53	1.59	0.6	1.6	23.6	1.2	930
27	1.5	7/0.53	1.59	0.6	1.7	25.7	1.3	1090
33	1.5	7/0.53	1.59	0.6	1.8	27.9	1.4	1300
37	1.5	7/0.53	1.59	0.6	1.8	28.9	1.4	1420
44	1.5	7/0.53	1.59	0.6	1.9	32.7	1.6	1770

Table 10 : 0.6/1kV - HBU,HBB 2.5SQ

No. of cores	Conductor			Sheath thickness mm	Overall diameter of cable mm	Overinner covering diameter mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size mm ²	Const. No./mm	Dia. mm					
2	2.5	7/0.67	2.01	0.6	1.1	10.6	0.5	150
4	2.5	7/0.67	2.01	0.6	1.2	12.5	0.6	220
7	2.5	7/0.67	2.01	0.6	1.3	15.0	0.8	340
9	2.5	7/0.67	2.01	0.6	1.4	17.7	0.9	460
12	2.5	7/0.67	2.01	0.6	1.5	20.0	1.0	590
14	2.5	7/0.67	2.01	0.6	1.5	21.0	1.1	660
19	2.5	7/0.67	2.01	0.6	1.6	23.5	1.2	850
23	2.5	7/0.67	2.01	0.6	1.7	26.2	1.3	1050
27	2.5	7/0.67	2.01	0.6	1.8	28.5	1.4	1230
33	2.5	7/0.67	2.01	0.6	1.9	30.9	1.5	1470
37	2.5	7/0.67	2.01	0.6	1.9	32.1	1.6	1600
44	2.5	7/0.67	2.01	0.6	2.1	36.4	1.8	2020


NEK606 Type Cable

0.6/1kV - HRYFCU,HRYFOU,HRYFBU,HRYFCB,HRYFOB,HRYFBB (VFD OPTION 1)

NEK606 Type Cable

0.6/1kV - HBYFCU,HBYFOU,HBYFBU,HBYFCB,HBYFOB,HBYFBB (VFD OPTION 1)

0.6/1kV - HRYFCU,HRYFOU,HRYFBU,HRYFCB,HRYFOB,HRYFBB (VFD OPTION 1)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2

Cable Identification
■ Insulation 3C Phase : Gray, Black, Red
 3C Earth : Green/Yellow with core number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 0.6/1kV HRYFCU 3C X 120SQMM + 3C X 25SQMM
LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

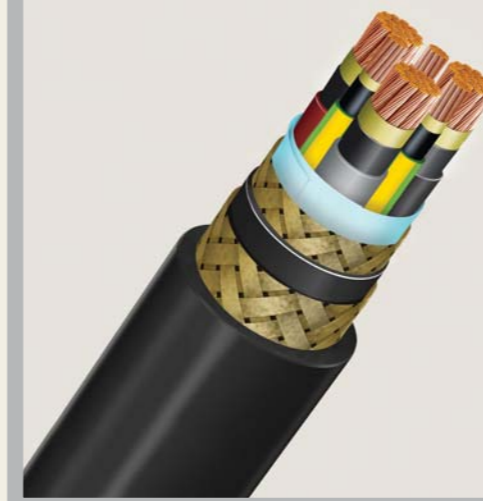
Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over the armor
- Sheath SHF2 to IEC 60092-359 or
SHF2 Mud to IEC 60092-359 & NEK606
CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Concentric shield .. Tinned Copper wire braid Plus
Copper/polyester or Aluminum/polyester
- Armor ~CU, ~CB : Galvanized steel wire braid
~OU, ~OB : Tinned copper wire braid
~BU, ~BB : Bronze wire braid
*If necessary, separator tape under and/or over the armor

Table 1 : 0.6/1kV - HRYFCU,HRYFOU,HRYFBU,HRYFCB,HRYFOB,HRYFBB 3C + 3E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	0.9	1.0	21.7	0.3	1.7	27.3	1.4	2080
35	7/2.52	7.56	0.9	1.0	24.1	0.3	1.8	30.0	1.5	2540
50	19/1.78	8.9	1.0	1.2	28.1	0.3	2.0	34.3	1.7	3290
70	19/2.14	10.7	1.1	1.2	32.5	0.4	2.2	39.5	2.0	4590
95	19/2.52	12.6	1.1	1.2	37.1	0.4	2.4	44.6	2.2	5880
120	37/2.03	14.21	1.2	1.4	41.4	0.4	2.6	49.3	2.5	7250
150	37/2.25	15.75	1.4	1.4	45.6	0.4	2.7	53.7	2.7	8530
185	37/2.52	17.64	1.6	1.6	51.0	0.4	2.9	59.5	3.0	10470
240	61/2.25	20.25	1.7	1.6	57.1	0.4	3.2	66.2	3.3	13180
300	61/2.52	22.68	1.8	1.6	62.7	0.4	3.4	72.3	3.6	15710

0.6/1kV - HBYFCU,HBYFOU,HBYFBU,HBYFCB,HBYFOB,HBYFBB (VFD OPTION 1)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
■ Insulation 3C Phase : Gray, Black, Red
 3C Earth : Green/Yellow with core number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 0.6/1kV HBYFCU 3C X 120SQMM + 3C X 25SQMM
LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or
SHF2 Mud to IEC 60092-359 & NEK606
CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Concentric shield .. Tinned Copper wire braid Plus
Copper/polyester or Aluminum/polyester
- Armor ~CU, ~CB : Galvanized steel wire braid
~OU, ~OB : Tinned copper wire braid
~BU, ~BB : Bronze wire braid
*If necessary, separator tape under and/or over the armor


Table 1 : 0.6/1kV - HRYFCU,HRYFOU,HRYFBU,HRYFCB,HRYFOB,HRYFBB 3C + 3E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	0.9	1.0	23.0	0.3	1.8	28.9	1.4	2250
35	7/2.52	7.56	0.9	1.0	25.5	0.3	1.9	31.5	1.6	2730
50	19/1.78	8.9	1.0	1.2	29.3	0.3	2.1	35.8	1.8	3550
70	19/2.14	10.7	1.1	1.2	33.6	0.4	2.2	40.7	2.0	4840
95	19/2.52	12.6	1.1	1.4	38.4	0.4	2.4	45.9	2.3	6200
120	37/2.03	14.21	1.2	1.4	42.3	0.4	2.6	50.2	2.5	7530
150	37/2.25	15.75	1.4	1.4	46.5	0.4	2.8	54.8	2.7	8840
185	37/2.52	17.64	1.6	1.6	51.9	0.4	3.0	60.6	3.0	10800
240	61/2.25	20.25	1.7	1.6	58.0	0.4	3.2	67.1	3.4	13590
300	61/2.52	22.68	1.8	1.8	64.0	0.4	3.5	73.8	3.7	16250

NEK606 Type Cable

0.6/1kV - HRFOYU,HRFOYB VFD(OPTION 2)

0.6/1kV - HRFOYU,HRFOYB VFD(OPTION 2)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2

Cable Identification
■ Insulation 3C Phase : Gray, Black, Red
3C Earth : Green/Yellow with core number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 0.6/1kV HRFOYU 3C X 120SQMM + 3C X 25SQMM
LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Armor Tinned Copper wire braid Plus
Copper/polyester or Aluminium/polyester
*If necessary, separator tape under and/or over the armor
- Fire proof layer N/A
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or
SHF2 Mud to IEC 60092-359 & NEK606
CLAUSE 4.1.2

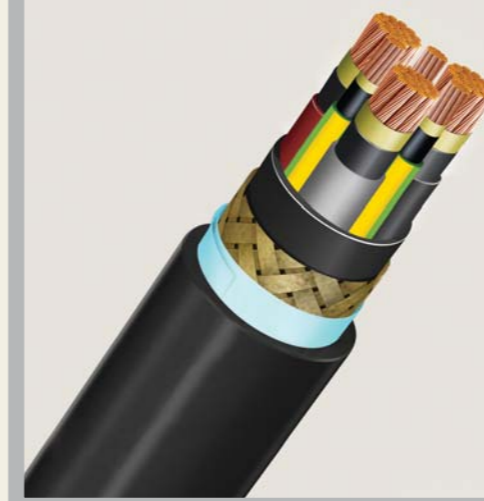
Table 1 : 0.6/1kV - HRFOYU,HRFOYB 3C + 3E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	0.9	1.0	20.5	0.3	1.7	26.1	1.3	1830
35	7/2.52	7.56	0.9	1.0	22.9	0.3	1.8	28.8	1.4	2250
50	19/1.78	8.9	1.0	1.0	26.5	0.3	1.9	32.6	1.6	2950
70	19/2.14	10.7	1.1	1.2	31.2	0.4	2.1	38.0	1.9	4190
95	19/2.52	12.6	1.1	1.2	35.5	0.4	2.3	42.8	2.1	5290
120	37/2.03	14.21	1.2	1.4	39.8	0.4	2.5	47.5	2.4	6570
150	37/2.25	15.75	1.4	1.4	44.0	0.4	2.7	52.1	2.6	7780
185	37/2.52	17.64	1.6	1.6	49.4	0.4	2.9	57.9	2.9	9630
240	61/2.25	20.25	1.7	1.6	55.5	0.4	3.1	64.4	3.2	12270
300	61/2.52	22.68	1.8	1.6	61.2	0.4	3.3	70.5	3.5	14710

NEK606 Type Cable

0.6/1kV - HBFOYU,HBFOYB VFD(OPTION 2)

0.6/1kV - HBFOYU,HBFOYB VFD(OPTION 2)



Voltage Rating
■ 0.6/1kV

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -353, -359
■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
■ Insulation 3C Phase : Gray, Black, Red
3C Earth : Green/Yellow with core number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 0.6/1kV HBFOYU 3C X 120SQMM + 3C X 25SQMM
LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Armor Tinned Copper wire braid Plus
Copper/polyester or Aluminium/polyester
*If necessary, separator tape under and/or over the armor
- Fire proof layer MICA TAPE
- Insulation HF HEPR to IEC 60092-351
- Filler If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or
SHF2 Mud to IEC 60092-359 & NEK606
CLAUSE 4.1.2

Table 1 : 0.6/1kV - HBFOYU,HBFOYB 3C + 3E

Size	Conductor		Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Const.	Dia.								
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
25	7/2.14	6.42	0.9	1.0	21.8	0.3	1.8	27.7	1.4	2000
35	7/2.52	7.56	0.9	1.0	24.3	0.3	1.9	30.3	1.5	2450
50	19/1.78	8.9	1.0	1.2	28.0	0.3	2.0	34.3	1.7	3180
70	19/2.14	10.7	1.1	1.2	32.3	0.4	2.2	39.4	2.0	4400
95	19/2.52	12.6	1.1	1.2	36.4	0.4	2.4	43.9	2.2	5520
120	37/2.03	14.21	1.2	1.4	40.7	0.4	2.5	48.4	2.4	6850
150	37/2.25	15.75	1.4	1.4	45.0	0.4	2.7	53.0	2.7	8070
185	37/2.52	17.64	1.6	1.6	50.3	0.4	2.9	58.8	2.9	9940
240	61/2.25	20.25	1.7	1.6	56.4	0.4	3.2	65.5	3.3	12640
300	61/2.52	22.68	1.8	1.6	62.1	0.4	3.4	71.6	3.6	15120

NEK606 Type Cable

250V - RFCU,RFOU,RFBU,RFCB,RFOB,RFB

250V - RFCU,RFOU,RFBU,RFCB,RFOB,RFB



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
■ IEC 60332-1, -3(Cat.a,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2

Cable Identification
■ Insulation White with Core Number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 250V RFCU 19C X 1SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Inner covering Halogen free compound (or tapping)
- Armor ~CU, ~CB : Galvanized steel wire braid
~OU, ~OB : Tinned copper wire braid
~BU, ~BB : Bronze wire braid
*If necessary, separator tape under and/or over the armor

Table 1 : 250V - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.6	1.0	7.5	0.3	1.2	12.1	0.6	300
4	1	7/0.43	1.29	0.6	1.0	8.6	0.3	1.2	13.2	0.7	380
7	1	7/0.43	1.29	0.6	1.0	10.1	0.3	1.3	14.9	0.7	480
9	1	7/0.43	1.29	0.6	1.0	11.7	0.3	1.3	16.4	0.8	590
12	1	7/0.43	1.29	0.6	1.0	13.0	0.3	1.4	18.0	0.9	690
14	1	7/0.43	1.29	0.6	1.0	13.7	0.3	1.4	18.7	0.9	760
19	1	7/0.43	1.29	0.6	1.0	15.2	0.3	1.5	20.4	1.0	910
23	1	7/0.43	1.29	0.6	1.0	16.8	0.3	1.6	22.2	1.1	1070
27	1	7/0.43	1.29	0.6	1.0	18.1	0.3	1.6	23.5	1.2	1200
33	1	7/0.43	1.29	0.6	1.0	19.5	0.3	1.7	25.1	1.3	1380
37	1	7/0.43	1.29	0.6	1.0	20.3	0.3	1.7	25.9	1.3	1490
44	1	7/0.43	1.29	0.6	1.0	22.8	0.3	1.8	28.7	1.4	1770

Table 2 : 250V - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	8.5	0.3	1.2	13.1	0.7	350
4	1.5	7/0.53	1.59	0.7	1.0	9.8	0.3	1.3	14.6	0.7	430
7	1.5	7/0.53	1.59	0.7	1.0	11.6	0.3	1.3	16.4	0.8	550
9	1.5	7/0.53	1.59	0.7	1.0	13.5	0.3	1.4	18.5	0.9	690
12	1.5	7/0.53	1.59	0.7	1.0	15.1	0.3	1.5	20.3	1.0	810
14	1.5	7/0.53	1.59	0.7	1.0	15.9	0.3	1.5	21.1	1.1	890
19	1.5	7/0.53	1.59	0.7	1.0	17.7	0.3	1.6	23.1	1.2	1060
23	1.5	7/0.53	1.59	0.7	1.0	19.6	0.3	1.7	25.3	1.3	1250
27	1.5	7/0.53	1.59	0.7	1.0	21.2	0.3	1.7	26.9	1.3	1420
33	1.5	7/0.53	1.59	0.7	1.0	22.9	0.3	1.8	28.8	1.4	1620
37	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1750
44	1.5	7/0.53	1.59	0.7	1.0	26.9	0.3	2.0	33.2	1.7	2100

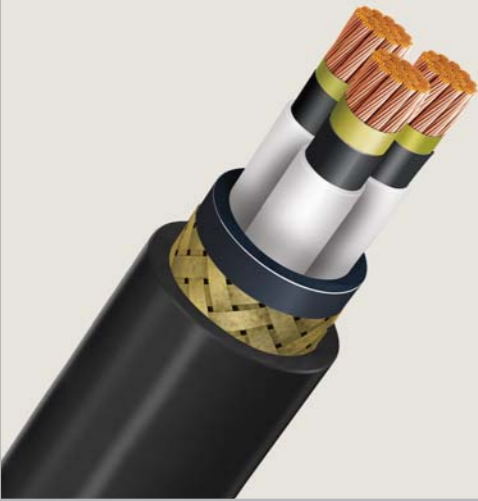
Table 3 : 250V - RFCU,RFOU,RFBU,RFCB,RFOB,RFB 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	9.4	0.3	1.3	14.2	0.7	380
4	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
7	2.5	7/0.67	2.01	0.7	1.0	12.9	0.3	1.4	17.9	0.9	610
9	2.5	7/0.67	2.01	0.7	1.0	15.0	0.3	1.5	20.2	1.0	760
12	2.5	7/0.67	2.01	0.7	1.0	16.9	0.3	1.6	22.3	1.1	910
14	2.5	7/0.67	2.01	0.7	1.0	17.8	0.3	1.6	23.2	1.2	990
19	2.5	7/0.67	2.01	0.7	1.0	19.8	0.3	1.7	25.5	1.3	1190
23	2.5	7/0.67	2.01	0.7	1.0	22.0	0.3	1.8	27.8	1.4	1390
27	2.5	7/0.67	2.01	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1590
33	2.5	7/0.67	2.01	0.7	1.0	25.7	0.3	1.9	31.8	1.6	1800
37	2.5	7/0.67	2.01	0.7	1.0	26.8	0.3	2.0	33.0	1.7	1950
44	2.5	7/0.67	2.01	0.7	1.2	30.7	0.4	2.1	37.5	1.9	2550

NEK606 Type Cable

250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB

250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation White with Core Number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V BFCU 7C X 1SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.6	1.0	8.5	0.3	1.2	13.1	0.7	350
4	1	7/0.43	1.29	0.6	1.0	9.7	0.3	1.3	14.5	0.7	430
7	1	7/0.43	1.29	0.6	1.0	11.5	0.3	1.3	16.3	0.8	570
9	1	7/0.43	1.29	0.6	1.0	13.4	0.3	1.4	18.4	0.9	700
12	1	7/0.43	1.29	0.6	1.0	15.0	0.3	1.5	20.2	1.0	830
14	1	7/0.43	1.29	0.6	1.0	15.7	0.3	1.5	21.0	1.0	910
19	1	7/0.43	1.29	0.6	1.0	17.5	0.3	1.6	23.0	1.1	1100
23	1	7/0.43	1.29	0.6	1.0	19.4	0.3	1.7	25.0	1.3	1290
27	1	7/0.43	1.29	0.6	1.0	21.0	0.3	1.7	26.6	1.3	1480
33	1	7/0.43	1.29	0.6	1.0	22.7	0.3	1.8	28.5	1.4	1690
37	1	7/0.43	1.29	0.6	1.0	23.6	0.3	1.8	29.4	1.5	1830
44	1	7/0.43	1.29	0.6	1.0	26.6	0.3	1.9	32.7	1.6	2190

Table 2 : 250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	9.5	0.3	1.3	14.3	0.7	390
4	1.5	7/0.53	1.59	0.7	1.0	10.9	0.3	1.3	15.7	0.8	500
7	1.5	7/0.53	1.59	0.7	1.0	13.0	0.3	1.4	18.0	0.9	640
9	1.5	7/0.53	1.59	0.7	1.0	15.2	0.3	1.5	20.4	1.0	800
12	1.5	7/0.53	1.59	0.7	1.0	17.1	0.3	1.6	22.5	1.1	970
14	1.5	7/0.53	1.59	0.7	1.0	18.0	0.3	1.6	23.4	1.2	1050
19	1.5	7/0.53	1.59	0.7	1.0	20.1	0.3	1.7	25.7	1.3	1270
23	1.5	7/0.53	1.59	0.7	1.0	22.3	0.3	1.8	28.1	1.4	1500
27	1.5	7/0.53	1.59	0.7	1.0	24.1	0.3	1.8	30.0	1.5	1710
33	1.5	7/0.53	1.59	0.7	1.0	26.1	0.3	1.9	32.1	1.6	1970
37	1.5	7/0.53	1.59	0.7	1.2	27.5	0.3	2.0	33.8	1.7	2150
44	1.5	7/0.53	1.59	0.7	1.2	31.1	0.4	2.1	37.9	1.9	2750


Table 3 : 250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	10.3	0.3	1.3	15.1	0.8	430
4	2.5	7/0.67	2.01	0.7	1.0	11.9	0.3	1.4	17.0	0.8	540
7	2.5	7/0.67	2.01	0.7	1.0	14.3	0.3	1.5	19.5	1.0	710
9	2.5	7/0.67	2.01	0.7	1.0	16.7	0.3	1.6	22.2	1.1	890
12	2.5	7/0.67	2.01	0.7	1.0	18.8	0.3	1.6	24.2	1.2	1080
14	2.5	7/0.67	2.01	0.7	1.0	19.9	0.3	1.7	25.5	1.3	1180
19	2.5	7/0.67	2.01	0.7	1.0	22.2	0.3	1.8	28.0	1.4	1420
23	2.5	7/0.67	2.01	0.7	1.0	24.6	0.3	1.9	30.7	1.5	1680
27	2.5	7/0.67	2.01	0.7	1.0	26.7	0.3	2.0	33.0	1.6	1920
33	2.5	7/0.67	2.01	0.7	1.2	29.3	0.3	2.1	35.8	1.8	2240
37	2.5	7/0.67	2.01	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2570
44	2.5	7/0.67	2.01	0.7	1.2	34.4	0.4	2.3	41.7	2.1	3080

NEK606 Type Cable

250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C)

250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation White with Core Number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RFCU(C) 19C X 1.5SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminum/polyester with drain wire
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1	7/0.43	1.29	0.6	1.0	7.5	0.3	1.2	12.1	0.6	300
4	1	7/0.43	1.29	0.6	1.0	8.6	0.3	1.2	13.2	0.7	380
7	1	7/0.43	1.29	0.6	1.0	10.1	0.3	1.3	14.9	0.7	480
9	1	7/0.43	1.29	0.6	1.0	11.7	0.3	1.3	16.4	0.8	590
12	1	7/0.43	1.29	0.6	1.0	13.0	0.3	1.4	18.0	0.9	690
14	1	7/0.43	1.29	0.6	1.0	13.7	0.3	1.4	18.7	0.9	760
19	1	7/0.43	1.29	0.6	1.0	15.2	0.3	1.5	20.4	1.0	910
23	1	7/0.43	1.29	0.6	1.0	16.8	0.3	1.6	22.2	1.1	1070
27	1	7/0.43	1.29	0.6	1.0	18.1	0.3	1.6	23.5	1.2	1200
33	1	7/0.43	1.29	0.6	1.0	19.5	0.3	1.7	25.1	1.3	1380
37	1	7/0.43	1.29	0.6	1.0	20.3	0.3	1.7	25.9	1.3	1490
44	1	7/0.43	1.29	0.6	1.0	22.8	0.3	1.8	28.7	1.4	1770

Table 2 : 250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C) 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1.5	7/0.53	1.59	0.7	1.0	8.5	0.3	1.2	13.1	0.7	350
4	1.5	7/0.53	1.59	0.7	1.0	9.8	0.3	1.3	14.6	0.7	430
7	1.5	7/0.53	1.59	0.7	1.0	11.6	0.3	1.3	16.4	0.8	550
9	1.5	7/0.53	1.59	0.7	1.0	13.5	0.3	1.4	18.5	0.9	690
12	1.5	7/0.53	1.59	0.7	1.0	15.1	0.3	1.5	20.3	1.0	810
14	1.5	7/0.53	1.59	0.7	1.0	15.9	0.3	1.5	21.1	1.1	890
19	1.5	7/0.53	1.59	0.7	1.0	17.7	0.3	1.6	23.1	1.2	1060
23	1.5	7/0.53	1.59	0.7	1.0	19.6	0.3	1.7	25.3	1.3	1250
27	1.5	7/0.53	1.59	0.7	1.0	21.2	0.3	1.7	26.9	1.3	1420
33	1.5	7/0.53	1.59	0.7	1.0	22.9	0.3	1.8	28.8	1.4	1620
37	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1750
44	1.5	7/0.53	1.59	0.7	1.0	26.9	0.3	2.0	33.2	1.7	2100


Table 3 : 250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	2.5	7/0.67	2.01	0.7	1.0	9.4	0.3	1.3	14.2	0.7	380
4	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
7	2.5	7/0.67	2.01	0.7	1.0	12.9	0.3	1.4	17.9	0.9	610
9	2.5	7/0.67	2.01	0.7	1.0	15.0	0.3	1.5	20.2	1.0	760
12	2.5	7/0.67	2.01	0.7	1.0	16.9	0.3	1.6	22.3	1.1	910
14	2.5	7/0.67	2.01	0.7	1.0	17.8	0.3	1.6	23.2	1.2	990
19	2.5	7/0.67	2.01	0.7	1.0	19.8	0.3	1.7	25.5	1.3	1190
23	2.5	7/0.67	2.01	0.7	1.0	22.0	0.3	1.8	27.8	1.4	1390
27	2.5	7/0.67	2.01	0.7	1.0	23.8	0.3	1.8	29.7	1.5	1590
33	2.5	7/0.67	2.01	0.7	1.0	25.7	0.3	1.9	31.8	1.6	1800
37	2.5	7/0.67	2.01	0.7	1.0	26.8	0.3	2.0	33.0	1.7	1950
44	2.5	7/0.67	2.01	0.7	1.2	30.7	0.4	2.1	37.5	1.9	2550

NEK606 Type Cable

250V - BFCU(C),BFOU(C),BFBU(C),BFCB(C),BFOB(C),BFBB(C)

250V - BFCU(C),BFOU(C),BFBU(C),BFCB(C),BFOB(C),BFBB(C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation White with Core Number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V BFCU(C) 19C X 1.5SQMM LS CABLE [year]
 IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminum/polyester with drain wire
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1 : 250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1	7/0.43	1.29	0.6	1.0	8.5	0.3	1.2	13.1	0.7	350
4	1	7/0.43	1.29	0.6	1.0	9.7	0.3	1.3	14.5	0.7	430
7	1	7/0.43	1.29	0.6	1.0	11.5	0.3	1.3	16.3	0.8	570
9	1	7/0.43	1.29	0.6	1.0	13.4	0.3	1.4	18.4	0.9	700
12	1	7/0.43	1.29	0.6	1.0	15.0	0.3	1.5	20.2	1.0	830
14	1	7/0.43	1.29	0.6	1.0	15.7	0.3	1.5	21.0	1.0	910
19	1	7/0.43	1.29	0.6	1.0	17.5	0.3	1.6	23.0	1.1	1100
23	1	7/0.43	1.29	0.6	1.0	19.4	0.3	1.7	25.0	1.3	1290
27	1	7/0.43	1.29	0.6	1.0	21.0	0.3	1.7	26.6	1.3	1480
33	1	7/0.43	1.29	0.6	1.0	22.7	0.3	1.8	28.5	1.4	1690
37	1	7/0.43	1.29	0.6	1.0	23.6	0.3	1.8	29.4	1.5	1830
44	1	7/0.43	1.29	0.6	1.0	26.6	0.3	1.9	32.7	1.6	2190

Table 2 : 250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 1.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	1.5	7/0.53	1.59	0.7	1.0	9.5	0.3	1.3	14.3	0.7	390
4	1.5	7/0.53	1.59	0.7	1.0	10.9	0.3	1.3	15.7	0.8	500
7	1.5	7/0.53	1.59	0.7	1.0	13.0	0.3	1.4	18.0	0.9	640
9	1.5	7/0.53	1.59	0.7	1.0	15.2	0.3	1.5	20.4	1.0	800
12	1.5	7/0.53	1.59	0.7	1.0	17.1	0.3	1.6	22.5	1.1	970
14	1.5	7/0.53	1.59	0.7	1.0	18.0	0.3	1.6	23.4	1.2	1050
19	1.5	7/0.53	1.59	0.7	1.0	20.1	0.3	1.7	25.7	1.3	1270
23	1.5	7/0.53	1.59	0.7	1.0	22.3	0.3	1.8	28.1	1.4	1500
27	1.5	7/0.53	1.59	0.7	1.0	24.1	0.3	1.8	30.0	1.5	1710
33	1.5	7/0.53	1.59	0.7	1.0	26.1	0.3	1.9	32.1	1.6	1970
37	1.5	7/0.53	1.59	0.7	1.2	27.5	0.3	2.0	33.8	1.7	2150
44	1.5	7/0.53	1.59	0.7	1.2	31.1	0.4	2.1	37.9	1.9	2750


Table 3 : 250V - BFCU,BFOU,BFBU,BFCB,BFOB,BFBB 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
2	2.5	7/0.67	2.01	0.7	1.0	10.3	0.3	1.3	15.1	0.8	430
4	2.5	7/0.67	2.01	0.7	1.0	11.9	0.3	1.4	17.0	0.8	540
7	2.5	7/0.67	2.01	0.7	1.0	14.3	0.3	1.5	19.5	1.0	710
9	2.5	7/0.67	2.01	0.7	1.0	16.7	0.3	1.6	22.2	1.1	890
12	2.5	7/0.67	2.01	0.7	1.0	18.8	0.3	1.6	24.2	1.2	1080
14	2.5	7/0.67	2.01	0.7	1.0	19.9	0.3	1.7	25.5	1.3	1180
19	2.5	7/0.67	2.01	0.7	1.0	22.2	0.3	1.8	28.0	1.4	1420
23	2.5	7/0.67	2.01	0.7	1.0	24.6	0.3	1.9	30.7	1.5	1680
27	2.5	7/0.67	2.01	0.7	1.0	26.7	0.3	2.0	33.0	1.6	1920
33	2.5	7/0.67	2.01	0.7	1.2	29.3	0.3	2.1	35.8	1.8	2240
37	2.5	7/0.67	2.01	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2570
44	2.5	7/0.67	2.01	0.7	1.2	34.4	0.4	2.3	41.7	2.1	3080

NEK606 Type Cable

250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C)

250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RFCU(C) 19P X 1SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminum/polyester with drain wire
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1-1 : 250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	0.75	7/0.37	1.11	0.6	1.0	7.0	0.3	1.2	11.6	0.6	280
2P	0.75	7/0.37	1.11	0.6	1.0	10.1	0.3	1.3	14.9	0.7	400
3P	0.75	7/0.37	1.11	0.6	1.0	10.8	0.3	1.3	15.6	0.8	440
4P	0.75	7/0.37	1.11	0.6	1.0	11.6	0.3	1.3	16.4	0.8	480
5P	0.75	7/0.37	1.11	0.6	1.0	13.1	0.3	1.4	18.1	0.9	560
6P	0.75	7/0.37	1.11	0.6	1.0	13.6	0.3	1.4	18.6	0.9	600
7P	0.75	7/0.37	1.11	0.6	1.0	14.0	0.3	1.4	19.0	1.0	620
8P	0.75	7/0.37	1.11	0.6	1.0	14.9	0.3	1.5	20.1	1.0	680
10P	0.75	7/0.37	1.11	0.6	1.0	16.2	0.3	1.5	21.4	1.1	760
12P	0.75	7/0.37	1.11	0.6	1.0	17.6	0.3	1.6	23.0	1.2	860
16P	0.75	7/0.37	1.11	0.6	1.0	19.5	0.3	1.7	25.1	1.3	1000
20P	0.75	7/0.37	1.11	0.6	1.0	20.9	0.3	1.7	26.6	1.3	1120
24P	0.75	7/0.37	1.11	0.6	1.0	23.7	0.3	1.8	29.6	1.5	1350
32P	0.75	7/0.37	1.11	0.6	1.0	25.7	0.3	1.9	31.8	1.6	1520

Table 1-2 : 250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1T	0.75	7/0.37	1.11	0.6	1.0	7.4	0.3	1.2	12.0	0.6	270
2T	0.75	7/0.37	1.11	0.6	1.0	11.0	0.3	1.3	15.8	0.8	450
3T	0.75	7/0.37	1.11	0.6	1.0	11.4	0.3	1.3	16.2	0.8	470
4T	0.75	7/0.37	1.11	0.6	1.0	12.8	0.3	1.4	17.8	0.9	550
7T	0.75	7/0.37	1.11	0.6	1.0	16.1	0.3	1.5	21.3	1.1	760
8T	0.75	7/0.37	1.11	0.6	1.0	16.7	0.3	1.6	22.2	1.1	800
12T	0.75	7/0.37	1.11	0.6	1.0	20.4	0.3	1.7	26.0	1.3	1060
15T	0.75	7/0.37	1.11	0.6	1.0	22.8	0.3	1.8	28.6	1.4	1260
16T	0.75	7/0.37	1.11	0.6	1.0	22.8	0.3	1.8	28.6	1.4	1260
24T	0.75	7/0.37	1.11	0.6	1.2	28.8	0.3	2.0	35.1	1.8	1830
32T	0.75	7/0.37	1.11	0.6	1.2	31.9	0.4	2.2	38.9	1.9	2310
1Q	0.75	7/0.37	1.11	0.6	1.0	8.0	0.3	1.2	12.6	0.6	300
2Q	0.75	7/0.37	1.11	0.6	1.0	12.1	0.3	1.4	17.1	0.9	510
3Q	0.75	7/0.37	1.11	0.6	1.0	12.5	0.3	1.4	17.5	0.9	530
4Q	0.75	7/0.37	1.11	0.6	1.0	14.1	0.3	1.4	19.1	1.0	630
7Q	0.75	7/0.37	1.11	0.6	1.0	17.8	0.3	1.6	23.2	1.2	870
8Q	0.75	7/0.37	1.11	0.6	1.0	18.5	0.3	1.6	23.9	1.2	930
12Q	0.75	7/0.37	1.11	0.6	1.0	22.6	0.3	1.8	28.4	1.4	1250
15Q	0.75	7/0.37	1.11	0.6	1.0	25.3	0.3	1.9	31.3	1.6	1480

Table 2 : 250V - RFCU(C),RFOU(C),RFBUC),RFCB(C),RFOB(C),RFBB(C) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1	7/0.43	1.29	0.6	1.0	7.4	0.3	1.2	12.0	0.6	290
2P	1	7/0.43	1.29	0.6	1.0	10.7	0.3	1.3	15.5	0.8	430
3P	1	7/0.43	1.29	0.6	1.0	11.4	0.3	1.3	16.2	0.8	480
4P	1	7/0.43	1.29	0.6	1.0	12.3	0.3	1.4	17.3	0.9	530
5P	1	7/0.43	1.29	0.6	1.0	13.9	0.3	1.4	18.9	0.9	630
6P	1	7/0.43	1.29	0.6	1.0	14.4	0.3	1.5	19.6	1.0	660
7P	1	7/0.43	1.29	0.6	1.0	14.9	0.3	1.5	20.1	1.0	690
8P	1	7/0.43	1.29	0.6	1.0	15.9	0.3	1.5	21.1	1.1	770
10P	1	7/0.43	1.29	0.6	1.0	17.2	0.3	1.6	22.6	1.1	860
12P	1	7/0.43	1.29	0.6	1.0	18.8	0.3	1.6	24.2	1.2	980
16P	1	7/0.43	1.29	0.6	1.0	20.8	0.3	1.7	26.5	1.3	1150
20P	1	7/0.43	1.29	0.6	1.0	22.3	0.3	1.8	28.2	1.4	1280
24P	1	7/0.43	1.29	0.6	1.0	25.3	0.3	1.9	31.4	1.6	1550
32P	1	7/0.43	1.29	0.6	1.2	27.9	0.3	2.0	34.2	1.7	1820
1T	1	7/0.43	1.29	0.6	1.0	7.8	0.3	1.2	12.4	0.6	290
2T	1	7/0.43	1.29	0.6	1.0	11.7	0.3	1.3	16.5	0.8	490
3T	1	7/0.43	1.29	0.6	1.0	12.1	0.3	1.4	17.1	0.9	520
4T	1	7/0.43	1.29	0.6	1.0	13.6	0.3	1.4	18.6	0.9	620
7T	1	7/0.43	1.29	0.6	1.0	17.2	0.3	1.6	22.6	1.1	860
8T	1	7/0.43	1.29	0.6	1.0	17.8	0.3	1.6	23.2	1.2	900
12T	1	7/0.43	1.29	0.6	1.0	21.8	0.3	1.8	27.6	1.4	1230
15T	1	7/0.43	1.29	0.6	1.0	24.3	0.3	1.9	30.4	1.5	1460
16T	1	7/0.43	1.29	0.6	1.0	24.3	0.3	1.9	30.4	1.5	1470
24T	1	7/0.43	1.29	0.6	1.2	30.8	0.4	2.1	37.7	1.9	2280
32T	1	7/0.43	1.29	0.6	1.2	34.1	0.4	2.3	41.4	2.1	2700
1Q	1	7/0.43	1.29	0.6	1.0	8.5	0.3	1.2	13.0	0.7	330
2Q	1	7/0.43	1.29	0.6	1.0	12.8	0.3	1.4	17.8	0.9	560
3Q	1	7/0.43	1.29	0.6	1.0	13.2	0.3	1.4	18.3	0.9	590
4Q	1	7/0.43	1.29	0.6	1.0	15.0	0.3	1.5	20.2	1.0	700
7Q	1	7/0.43	1.29	0.6	1.0	19.0	0.3	1.6	24.4	1.2	1000
8Q	1	7/0.43	1.29	0.6	1.0	19.7	0.3	1.7	25.3	1.3	1060
12Q	1	7/0.43	1.29	0.6	1.0	24.1	0.3	1.8	30.0	1.5	1450
15Q	1	7/0.43	1.29	0.6	1.2	27.4	0.3	2.0	33.7	1.7	1770

NEK606 Type Cable

250V - BFCU(C),BFOU(C),BFBUC(C),BFCB(C),BFOB(C),BFBB(C)

Table 1-2 : 250V - BFCU(C),BFOU(C),BFBUC(C),BFCB(C),BFOB(C),BFBB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1T	0.75	7/0.37	1.11	0.6	1.0	8.4	0.3	1.2	13.0	0.7	330
2T	0.75	7/0.37	1.11	0.6	1.0	12.8	0.3	1.4	17.8	0.9	550
3T	0.75	7/0.37	1.11	0.6	1.0	13.2	0.3	1.4	18.2	0.9	580
4T	0.75	7/0.37	1.11	0.6	1.0	14.9	0.3	1.5	20.1	1.0	690
7T	0.75	7/0.37	1.11	0.6	1.0	18.9	0.3	1.6	24.3	1.2	980
8T	0.75	7/0.37	1.11	0.6	1.0	19.6	0.3	1.7	25.2	1.3	1040
12T	0.75	7/0.37	1.11	0.6	1.0	24.0	0.3	1.8	29.8	1.5	1420
15T	0.75	7/0.37	1.11	0.6	1.0	26.9	0.3	2.0	33.1	1.7	1690
16T	0.75	7/0.37	1.11	0.6	1.0	26.9	0.3	2.0	33.1	1.7	1700
24T	0.75	7/0.37	1.11	0.6	1.2	34.1	0.4	2.3	41.3	2.1	2650
32T	0.75	7/0.37	1.11	0.6	1.4	38.1	0.4	2.4	45.6	2.3	3210
1Q	0.75	7/0.37	1.11	0.6	1.0	9.2	0.3	1.2	13.7	0.7	360
2Q	0.75	7/0.37	1.11	0.6	1.0	14.0	0.3	1.4	19.0	1.0	630
3Q	0.75	7/0.37	1.11	0.6	1.0	14.5	0.3	1.5	19.7	1.0	670
4Q	0.75	7/0.37	1.11	0.6	1.0	16.4	0.3	1.5	21.6	1.1	800
7Q	0.75	7/0.37	1.11	0.6	1.0	20.9	0.3	1.7	26.5	1.3	1150
8Q	0.75	7/0.37	1.11	0.6	1.0	21.7	0.3	1.8	27.5	1.4	1220
12Q	0.75	7/0.37	1.11	0.6	1.0	26.6	0.3	1.9	32.7	1.6	1680
15Q	0.75	7/0.37	1.11	0.6	1.2	30.2	0.4	2.1	37.1	1.9	2190

Table 3 : 250V - BFCU(C),BFOU(C),BFBUC(C),BFCB(C),BFOB(C),BFBB(C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1.5	7/0.53	1.59	0.7	1.0	9.4	0.3	1.3	14.2	0.7	400
2P	1.5	7/0.53	1.59	0.7	1.0	13.9	0.3	1.4	18.9	0.9	630
3P	1.5	7/0.53	1.59	0.7	1.0	14.9	0.3	1.5	20.1	1.0	700
4P	1.5	7/0.53	1.59	0.7	1.0	16.1	0.3	1.5	21.3	1.1	790
5P	1.5	7/0.53	1.59	0.7	1.0	18.4	0.3	1.6	23.8	1.2	960
6P	1.5	7/0.53	1.59	0.7	1.0	19.1	0.3	1.6	24.5	1.2	1020
7P	1.5	7/0.53	1.59	0.7	1.0	19.8	0.3	1.7	25.4	1.3	1080
8P	1.5	7/0.53	1.59	0.7	1.0	21.1	0.3	1.7	26.7	1.3	1200
10P	1.5	7/0.53	1.59	0.7	1.0	23.0	0.3	1.8	28.8	1.4	1360
12P	1.5	7/0.53	1.59	0.7	1.0	25.1	0.3	1.9	31.2	1.6	1570
16P	1.5	7/0.53	1.59	0.7	1.2	28.3	0.3	2.0	34.6	1.7	1930
20P	1.5	7/0.53	1.59	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2330
24P	1.5	7/0.53	1.59	0.7	1.2	34.6	0.4	2.3	41.8	2.1	2830
32P	1.5	7/0.53	1.59	0.7	1.4	38.0	0.4	2.4	45.5	2.3	3350
1T	1.5	7/0.53	1.59	0.7	1.0	9.9	0.3	1.3	14.7	0.7	400
2T	1.5	7/0.53	1.59	0.7	1.0	15.3	0.3	1.5	20.5	1.0	720
3T	1.5	7/0.53	1.59	0.7	1.0	15.8	0.3	1.5	21.0	1.1	780
4T	1.5	7/0.53	1.59	0.7	1.0	17.9	0.3	1.6	23.4	1.2	930
7T	1.5	7/0.53	1.59	0.7	1.0	22.9	0.3	1.8	28.7	1.4	1360
8T	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.6	1.5	1460
12T	1.5	7/0.53	1.59	0.7	1.2	29.7	0.3	2.1	36.1	1.8	2070
15T	1.5	7/0.53	1.59	0.7	1.2	33.2	0.4	2.2	40.3	2.0	2660
16T	1.5	7/0.53	1.59	0.7	1.2	33.2	0.4	2.2	40.3	2.0	2680
24T	1.5	7/0.53	1.59	0.7	1.4	42.1	0.4	2.6	49.9	2.5	3920
32T	1.5	7/0.53	1.59	0.7	1.4	46.6	0.4	2.8	54.9	2.7	4710
1Q	1.5	7/0.53	1.59	0.7	1.0	10.8	0.3	1.3	15.6	0.8	460
2Q	1.5	7/0.53	1.59	0.7	1.0	16.9	0.3	1.6	22.3	1.1	840
3Q	1.5	7/0.53	1.59	0.7	1.0	17.5	0.3	1.6	22.9	1.1	900
4Q	1.5	7/0.53	1.59	0.7	1.0	19.8	0.3	1.7	25.5	1.3	1100
7Q	1.5	7/0.53	1.59	0.7	1.0	25.4	0.3	1.9	31.4	1.6	1610
8Q	1.5	7/0.53	1.59	0.7	1.0	26.4	0.3	1.9	32.5	1.6	1740
12Q	1.5	7/0.53	1.59	0.7	1.2	32.9	0.4	2.2	40.0	2.0	2650
15Q	1.5	7/0.53	1.59	0.7	1.2	36.9	0.4	2.4	44.4	2.2	3180

Table 2 : 250V - BFCU(C),BFOU(C),BFBUC(C),BFCB(C),BFOB(C),BFBB(C) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1	7/0.43	1.29	0.6	1.0	8.4	0.3	1.2	12.9	0.6	340
2P	1	7/0.43	1.29	0.6	1.0	12.2	0.3	1.4	17.3	0.9	520
3P	1	7/0.43	1.29	0.6	1.0	13.1	0.3	1.4	18.1	0.9	580
4P	1	7/0.43	1.29	0.6	1.0	14.1	0.3	1.4	19.1	1.0	650
5P	1	7/0.43	1.29	0.6	1.0	16.1	0.3	1.5	21.3	1.1	780
6P	1	7/0.43	1.29	0.6	1.0	16.7	0.3	1.5	21.9	1.1	830
7P	1	7/0.43	1.29	0.6	1.0	17.3	0.3	1.6	22.7	1.1	870
8P	1	7/0.43	1.29	0.6	1.0	18.4	0.3	1.6	23.8	1.2	970
10P	1	7/0.43	1.29	0.6	1.0	20.0	0.3	1.7	25.6	1.3	1090
12P	1	7/0.43	1.29	0.6	1.0	21.8	0.3	1.8	27.7	1.4	1250
16P	1	7/0.43	1.29	0.6	1.0	24.2	0.3	1.9	30.3	1.5	1480
20P	1	7/0.43	1.29	0.6	1.0	26.1	0.3	1.9	32.1	1.6	1680
24P	1	7/0.43	1.29	0.6	1.2	30.0	0.3	2.1	36.5	1.8	2080
32P	1	7/0.43	1.29	0.6	1.2	32.6	0.4	2.2	39.6	2.0	2560
1T	1	7/0.43	1.29	0.6	1.0	8.8	0.3	1.2	13.4	0.7	350
2T	1	7/0.43	1.29	0.6	1.0	13.4	0.3	1.4	18.4	0.9	600
3T	1	7/0.43	1.29	0.6	1.0	13.9	0.3	1.4	18.9	0.9	640
4T	1	7/0.43	1.29	0.6	1.0	15.7	0.3	1.5	20.9	1.0	760
7T	1	7/0.43	1.29	0.6	1.0	19.9	0.3	1.7	25.5	1.3	1090
8T	1	7/0.43	1.29	0.6	1.0	20.7	0.3	1.7	26.3	1.3	1160
12T	1	7/0.43	1.29	0.6	1.0	25.4	0.3	1.9	31.4	1.6	1590
15T	1	7/0.43	1.29	0.6	1.2	28.8	0.3	2.0	35.1	1.8	1960
16T	1	7/0.43	1.29	0.6	1.2	28.8	0.3	2.0	35.1	1.8	1970
24T	1	7/0.43	1.29	0.6	1.2	36.0	0.4	2.3	43.3	2.2	3010
32T	1	7/0.43	1.29	0.6	1.4	40.3	0.4	2.5	48.0	2.4	3640
1Q	1	7/0.43	1.29	0.6	1.0	9.6	0.3	1.3	14.4	0.7	390
2Q	1	7/0.43	1.29	0.6	1.0	14.8	0.3	1.5	20.0	1.0	690
3Q	1	7/0.43	1.29	0.6	1.0	15.3	0.3	1.5	20.5	1.0	730
4Q	1	7/0.43	1.29	0.6	1.0	17.3	0.3	1.6	22.7	1.1	880
7Q	1	7/0.43	1.29	0.6	1.0	22.0	0.3	1.8	27.9	1.4	1280
8Q	1	7/0.43	1.29	0.6	1.0	22.9	0.3	1.8	28.8	1.4	1370
12Q	1	7/0.43	1.29	0.6	1.2	28.6	0.3	2.0	34.8	1.7	1950
15Q	1	7/0.43	1.29	0.6	1.2	32.0	0.4	2.2	39.0	2.0	2490


Table 4 : 250V - BFCU(C),BFOU(C),BFBUC(C),BFCB(C),BFOB(C),BFBB(C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	2.5	7/0.67	2.01	0.7	1.0	10.2	0.3	1.3	15.0	0.8	450
2P	2.5	7/0.67	2.01	0.7	1.0	15.3	0.3	1.5	20.5	1.0	730
3P	2.5	7/0.67	2.01	0.7	1.0	16.4	0.3	1.5	21.6	1.1	840
4P	2.5	7/0.67	2.01	0.7	1.0	17.8	0.3	1.6	23.2	1.2	940
5P	2.5	7/0.67	2.01	0.7	1.0	20.3	0.3	1.7	26.0	1.3	1150
6P	2.5	7/0.67	2.01	0.7	1.0	21.1	0.3	1.7	26.7	1.3	1240
7P	2.5	7/0.67	2.01	0.7	1.0	21.9	0.3	1.8	27.7	1.4	1330
8P	2.5	7/0.67	2.01	0.7	1.0	23.3	0.3	1.8	29.2	1.5	1480
10P	2.5	7/0.67	2.01	0.7	1.0	25.4	0.3	1.9	31.5	1.6	1690
12P	2.5	7/0.67	2.01	0.7	1.2	28.2	0.3	2.0	34.5	1.7	2000
16P	2.5	7/0.67	2.01	0.7	1.2	31.4	0.4	2.2	38.4	1.9	2570
20P	2.5	7/0.67	2.01	0.7	1.2	33.8	0.4	2.2	40.8	2.0	2930
24P	2.5	7/0.67	2.01	0.7	1.4	38.8	0.4	2.4	46.2	2.3	3640
32P	2.5	7/0.67	2.01	0.7	1.4	42.2	0.4	2.6	50.0	2.5	4270
1T	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
2T	2.5	7/0.67	2.01	0.7	1.0	16.8	0.3	1.6	22.3	1.1	860
3T	2.5	7/0.67	2.01	0.7	1.0	17.4	0.3	1.6	22.9		

NEK606 Type Cable

250V - RFCU(I),RFOU(I),RFBU(I),RFCB(I),RFOB(I),RFBB(I)

250V - RFCU(I),RFOU(I),RFBU(I),RFCB(I),RFOB(I),RFBB(I)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RFCU(I) 19P X 1SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... Copper/polyester or Aluminum/polyester with drain wire
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1-1 : 250V - RFCU(I),RFOU(I),RFBU(I),RFCB(I),RFOB(I),RFBB(I) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	0.75	7/0.37	1.11	0.6	1.0	7.0	0.3	1.2	11.6	0.6	280
2P	0.75	7/0.37	1.11	0.6	1.0	10.7	0.3	1.3	15.5	0.8	470
3P	0.75	7/0.37	1.11	0.6	1.0	11.6	0.3	1.3	16.4	0.8	550
4P	0.75	7/0.37	1.11	0.6	1.0	12.8	0.3	1.4	17.8	0.9	630
5P	0.75	7/0.37	1.11	0.6	1.0	14.0	0.3	1.4	19.0	1.0	730
6P	0.75	7/0.37	1.11	0.6	1.0	15.3	0.3	1.5	20.5	1.0	830
7P	0.75	7/0.37	1.11	0.6	1.0	15.9	0.3	1.5	21.1	1.1	900
8P	0.75	7/0.37	1.11	0.6	1.0	16.6	0.3	1.5	21.9	1.1	970
10P	0.75	7/0.37	1.11	0.6	1.0	18.3	0.3	1.6	23.7	1.2	1140
12P	0.75	7/0.37	1.11	0.6	1.0	18.9	0.3	1.6	24.3	1.2	1230
16P	0.75	7/0.37	1.11	0.6	1.0	22.1	0.3	1.8	27.9	1.4	1580
20P	0.75	7/0.37	1.11	0.6	1.0	24.0	0.3	1.8	29.8	1.5	1860
24P	0.75	7/0.37	1.11	0.6	1.0	26.9	0.3	2.0	33.1	1.7	2240
32P	0.75	7/0.37	1.11	0.6	1.2	30.2	0.4	2.1	37.0	1.8	2940

Table 1-2 : 250V - RFCU(I),RFOU(I),RFBU(I),RFCB(I),RFOB(I),RFBB(I) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1T	0.75	7/0.37	1.11	0.6	1.0	7.4	0.3	1.2	12.0	0.6	270
2T	0.75	7/0.37	1.11	0.6	1.0	11.6	0.3	1.3	16.4	0.8	540
3T	0.75	7/0.37	1.11	0.6	1.0	12.0	0.3	1.4	17.0	0.8	580
4T	0.75	7/0.37	1.11	0.6	1.0	13.5	0.3	1.4	18.5	0.9	700
7T	0.75	7/0.37	1.11	0.6	1.0	17.0	0.3	1.6	22.4	1.1	1010
8T	0.75	7/0.37	1.11	0.6	1.0	17.6	0.3	1.6	23.1	1.2	1080
12T	0.75	7/0.37	1.11	0.6	1.0	21.6	0.3	1.7	27.2	1.4	1510
15T	0.75	7/0.37	1.11	0.6	1.0	24.1	0.3	1.8	29.9	1.5	1830
16T	0.75	7/0.37	1.11	0.6	1.0	24.1	0.3	1.8	29.9	1.5	1860
24T	0.75	7/0.37	1.11	0.6	1.2	30.5	0.4	2.1	37.3	1.9	2910
32T	0.75	7/0.37	1.11	0.6	1.2	33.8	0.4	2.2	40.8	2.0	3580
1Q	0.75	7/0.37	1.11	0.6	1.0	8.0	0.3	1.2	12.6	0.6	300
2Q	0.75	7/0.37	1.11	0.6	1.0	12.6	0.3	1.4	17.6	0.9	600
3Q	0.75	7/0.37	1.11	0.6	1.0	13.1	0.3	1.4	18.1	0.9	660
4Q	0.75	7/0.37	1.11	0.6	1.0	14.7	0.3	1.5	20.0	1.0	800
7Q	0.75	7/0.37	1.11	0.6	1.0	18.7	0.3	1.6	24.1	1.2	1180
8Q	0.75	7/0.37	1.11	0.6	1.0	19.4	0.3	1.7	25.0	1.3	1260
12Q	0.75	7/0.37	1.11	0.6	1.0	23.7	0.3	1.8	29.6	1.5	1770
15Q	0.75	7/0.37	1.11	0.6	1.0	26.6	0.3	1.9	32.6	1.6	2150

Table 2 : 250V - RFCU(I),RFOU(I),RFBU(I),RFCB(I),RFOB(I),RFBB(I) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Wire for braid mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1	7/0.43	1.29	0.6	1.0	7.4	0.3	1.2	12.0	0.6	290
2P	1	7/0.43	1.29	0.6	1.0	11.3	0.3	1.3	16.1	0.8	520
3P	1	7/0.43	1.29	0.6	1.0	12.3	0.3	1.4	17.3	0.9	590
4P	1	7/0.43	1.29	0.6	1.0	13.6	0.3	1.4	18.6	0.9	700
5P	1	7/0.43	1.29	0.6	1.0	14.8	0.3	1.5	20.1	1.0	800
6P	1	7/0.43	1.29	0.6	1.0	16.3	0.3	1.5	21.5	1.1	920
7P	1	7/0.43	1.29	0.6	1.0	16.8	0.3	1.6	22.3	1.1	990
8P	1	7/0.43	1.29	0.6	1.0	17.7	0.3	1.6	23.1	1.2	1070
10P	1	7/0.43	1.29	0.6	1.0	19.5	0.3	1.7	25.1	1.3	1260
12P	1	7/0.43	1.29	0.6	1.0	20.1	0.3	1.7	25.7	1.3	1370
16P	1	7/0.43	1.29	0.6	1.0	23.5	0.3	1.8	29.3	1.5	1770
20P	1	7/0.43	1.29	0.6	1.0	25.5	0.3	1.9	31.6	1.6	2070
24P	1	7/0.43	1.29	0.6	1.2	29.0	0.3	2.0	35.3	1.8	2560
32P	1	7/0.43	1.29	0.6	1.2	32.1	0.4	2.2	39.2	2.0	3300
1T	1	7/0.43	1.29	0.6	1.0	7.8	0.3	1.2	12.4	0.6	290
2T	1	7/0.43	1.29	0.6	1.0	12.2	0.3	1.4	17.2	0.9	580
3T	1	7/0.43	1.29	0.6	1.0	12.6	0.3	1.4	17.7	0.9	640
4T	1	7/0.43	1.29	0.6	1.0	14.3	0.3	1.5	19.5	1.0	770
7T	1	7/0.43	1.29	0.6	1.0	18.0	0.3	1.6	23.5	1.2	1120
8T	1	7/0.43	1.29	0.6	1.0	18.7	0.3	1.6	24.2	1.2	1220
12T	1	7/0.43	1.29	0.6	1.0	22.9	0.3	1.8	28.8	1.4	1690
15T	1	7/0.43	1.29	0.6	1.0	25.7	0.3	1.9	31.7	1.6	2050
16T	1	7/0.43	1.29	0.6	1.0	25.7	0.3	1.9	31.7	1.6	2090
24T	1	7/0.43	1.29	0.6	1.2	32.5	0.4	2.2	39.5	2.0	3270
32T	1	7/0.43	1.29	0.6	1.2	36.0	0.4	2.3	43.2	2.2	4050
1Q	1	7/0.43	1.29	0.6	1.0	8.5	0.3	1.2	13.0	0.7	330
2Q	1	7/0.43	1.29	0.6	1.0	13.4	0.3	1.4	18.4	0.9	670
3Q	1	7/0.43	1.29	0.6	1.0	13.8	0.3	1.4	18.8	0.9	730
4Q	1	7/0.43	1.29	0.6	1.0	15.6	0.3	1.5	20.9	1.0	880
7Q	1	7/0.43	1.29	0.6	1.0	19.8	0.3	1.7	25.5	1.3	1310
8Q	1	7/0.43	1.29	0.6	1.0	20.6	0.3	1.7	26.3	1.3	1410
12Q	1	7/0.43	1.29	0.6	1.0	25.3	0.3	1.9	31.3	1.6	1990
15Q	1	7/0.43	1.29	0.6	1.2	28.7	0.3	2.0	35.0	1.7	2480

NEK606 Type Cable

250V - BFCU(I),BFOU(I),BFBU(I),BFCB(I),BFOB(I),BFBB(I)

Table 1-2 : 250V - BFCU(I),BFOU(I),BFBU(I),BFCB(I),BFOB(I),BFBB(I) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1T	0.75	7/0.37	1.11	0.6	1.0	8.4	0.3	1.2	13.0	0.7	330
2T	0.75	7/0.37	1.11	0.6	1.0	13.3	0.3	1.4	18.3	0.9	640
3T	0.75	7/0.37	1.11	0.6	1.0	13.8	0.3	1.4	18.8	0.9	710
4T	0.75	7/0.37	1.11	0.6	1.0	15.6	0.3	1.5	20.8	1.0	860
7T	0.75	7/0.37	1.11	0.6	1.0	19.7	0.3	1.7	25.4	1.3	1290
8T	0.75	7/0.37	1.11	0.6	1.0	20.5	0.3	1.7	26.2	1.3	1390
12T	0.75	7/0.37	1.11	0.6	1.0	25.2	0.3	1.9	31.2	1.6	1960
15T	0.75	7/0.37	1.11	0.6	1.2	28.6	0.3	2.0	34.8	1.7	2410
16T	0.75	7/0.37	1.11	0.6	1.2	28.6	0.3	2.0	34.8	1.7	2460
24T	0.75	7/0.37	1.11	0.6	1.2	35.7	0.4	2.3	43.0	2.1	3800
32T	0.75	7/0.37	1.11	0.6	1.4	40.0	0.4	2.5	47.7	2.4	4760
1Q	0.75	7/0.37	1.11	0.6	1.0	9.2	0.3	1.2	13.7	0.7	360
2Q	0.75	7/0.37	1.11	0.6	1.0	14.6	0.3	1.5	19.8	1.0	740
3Q	0.75	7/0.37	1.11	0.6	1.0	15.1	0.3	1.5	20.3	1.0	820
4Q	0.75	7/0.37	1.11	0.6	1.0	17.1	0.3	1.6	22.5	1.1	1010
7Q	0.75	7/0.37	1.11	0.6	1.0	21.8	0.3	1.8	27.6	1.4	1520
8Q	0.75	7/0.37	1.11	0.6	1.0	22.6	0.3	1.8	28.5	1.4	1640
12Q	0.75	7/0.37	1.11	0.6	1.2	28.2	0.3	2.0	34.4	1.7	2360
15Q	0.75	7/0.37	1.11	0.6	1.2	31.6	0.4	2.2	38.6	1.9	3040

Table 3 : 250V - BFCU(I),BFOU(I),BFBU(I),BFCB(I),BFOB(I),BFBB(I) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1.5	7/0.53	1.59	0.7	1.0	9.4	0.3	1.3	14.2	0.7	400
2P	1.5	7/0.53	1.59	0.7	1.0	14.6	0.3	1.5	19.8	1.0	730
3P	1.5	7/0.53	1.59	0.7	1.0	15.9	0.3	1.5	21.1	1.1	860
4P	1.5	7/0.53	1.59	0.7	1.0	17.7	0.3	1.6	23.1	1.2	1010
5P	1.5	7/0.53	1.59	0.7	1.0	19.4	0.3	1.7	25.0	1.3	1180
6P	1.5	7/0.53	1.59	0.7	1.0	21.3	0.3	1.7	26.9	1.3	1370
7P	1.5	7/0.53	1.59	0.7	1.0	22.1	0.3	1.8	28.0	1.4	1470
8P	1.5	7/0.53	1.59	0.7	1.0	23.2	0.3	1.8	29.1	1.5	1600
10P	1.5	7/0.53	1.59	0.7	1.0	25.7	0.3	1.9	31.7	1.6	1900
12P	1.5	7/0.53	1.59	0.7	1.0	26.5	0.3	1.9	32.6	1.6	2080
16P	1.5	7/0.53	1.59	0.7	1.2	31.5	0.4	2.2	38.6	1.9	2920
20P	1.5	7/0.53	1.59	0.7	1.2	34.3	0.4	2.3	41.6	2.1	3430
24P	1.5	7/0.53	1.59	0.7	1.4	38.9	0.4	2.5	46.6	2.3	4210
32P	1.5	7/0.53	1.59	0.7	1.4	43.2	0.4	2.6	51.0	2.6	5210
1T	1.5	7/0.53	1.59	0.7	1.0	9.9	0.3	1.3	14.7	0.7	400
2T	1.5	7/0.53	1.59	0.7	1.0	15.8	0.3	1.5	21.1	1.1	840
3T	1.5	7/0.53	1.59	0.7	1.0	16.4	0.3	1.5	21.6	1.1	930
4T	1.5	7/0.53	1.59	0.7	1.0	18.6	0.3	1.6	24.0	1.2	1140
7T	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.6	1.5	1720
8T	1.5	7/0.53	1.59	0.7	1.0	24.7	0.3	1.9	30.8	1.5	1850
12T	1.5	7/0.53	1.59	0.7	1.2	30.8	0.4	2.1	37.6	1.9	2830
15T	1.5	7/0.53	1.59	0.7	1.2	34.5	0.4	2.3	41.8	2.1	3430
16T	1.5	7/0.53	1.59	0.7	1.2	34.5	0.4	2.3	41.8	2.1	3490
24T	1.5	7/0.53	1.59	0.7	1.4	43.7	0.4	2.6	51.6	2.6	5230
32T	1.5	7/0.53	1.59	0.7	1.6	48.9	0.4	2.9	57.4	2.9	6540
1Q	1.5	7/0.53	1.59	0.7	1.0	10.8	0.3	1.3	15.6	0.8	460
2Q	1.5	7/0.53	1.59	0.7	1.0	17.4	0.3	1.6	22.8	1.1	970
3Q	1.5	7/0.53	1.59	0.7	1.0	18.0	0.3	1.6	23.5	1.2	1080
4Q	1.5	7/0.53	1.59	0.7	1.0	20.5	0.3	1.7	26.1	1.3	1330
7Q	1.5	7/0.53	1.59	0.7	1.0	26.3	0.3	1.9	32.3	1.6	2040
8Q	1.5	7/0.53	1.59	0.7	1.2	27.7	0.3	2.0	34.0	1.7	2240
12Q	1.5	7/0.53	1.59	0.7	1.2	34.1	0.4	2.3	41.3	2.1	3370
15Q	1.5	7/0.53	1.59	0.7	1.4	38.6	0.4	2.4	46.1	2.3	4170

Table 2 : 250V - BFCU(I),BFOU(I),BFBU(I),BFCB(I),BFOB(I),BFBB(I) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1	7/0.43	1.29	0.6	1.0	8.4	0.3	1.2	12.9	0.6	340
2P	1	7/0.43	1.29	0.6	1.0	12.9	0.3	1.4	17.9	0.9	610
3P	1	7/0.43	1.29	0.6	1.0	14.0	0.3	1.4	19.0	1.0	710
4P	1	7/0.43	1.29	0.6	1.0	15.6	0.3	1.5	20.8	1.0	830
5P	1	7/0.43	1.29	0.6	1.0	17.0	0.3	1.6	22.4	1.1	960
6P	1	7/0.43	1.29	0.6	1.0	18.7	0.3	1.6	24.1	1.2	1120
7P	1	7/0.43	1.29	0.6	1.0	19.4	0.3	1.7	25.0	1.3	1200
8P	1	7/0.43	1.29	0.6	1.0	20.3	0.3	1.7	26.0	1.3	1300
10P	1	7/0.43	1.29	0.6	1.0	22.4	0.3	1.8	28.3	1.4	1540
12P	1	7/0.43	1.29	0.6	1.0	23.2	0.3	1.8	29.0	1.5	1660
16P	1	7/0.43	1.29	0.6	1.2	27.5	0.3	2.0	33.8	1.7	2210
20P	1	7/0.43	1.29	0.6	1.2	30.0	0.3	2.1	36.4	1.8	2600
24P	1	7/0.43	1.29	0.6	1.2	33.6	0.4	2.2	40.6	2.0	3320
32P	1	7/0.43	1.29	0.6	1.2	37.2	0.4	2.4	44.7	2.2	4080
1T	1	7/0.43	1.29	0.6	1.0	8.8	0.3	1.2	13.4	0.7	350
2T	1	7/0.43	1.29	0.6	1.0	14.0	0.3	1.4	19.0	0.9	700
3T	1	7/0.43	1.29	0.6	1.0	14.5	0.3	1.5	19.7	1.0	760
4T	1	7/0.43	1.29	0.6	1.0	16.4	0.3	1.5	21.6	1.1	930
7T	1	7/0.43	1.29	0.6	1.0	20.8	0.3	1.7	26.4	1.3	1380
8T	1	7/0.43	1.29	0.6	1.0	21.6	0.3	1.7	27.3	1.4	1490
12T	1	7/0.43	1.29	0.6	1.0	26.5	0.3	1.9	32.6	1.6	2090
15T	1	7/0.43	1.29	0.6	1.2	30.1	0.4	2.1	37.0	1.8	2730
16T	1	7/0.43	1.29	0.6	1.2	30.1	0.4	2.1	37.0	1.8	2770
24T	1	7/0.43	1.29	0.6	1.4	38.1	0.4	2.4	45.6	2.3	4140
32T	1	7/0.43	1.29	0.6	1.4	42.2	0.4	2.6	50.1	2.5	5080
1Q	1	7/0.43	1.29	0.6	1.0	9.6	0.3	1.3	14.4	0.7	390
2Q	1	7/0.43	1.29	0.6	1.0	15.3	0.3	1.5	20.5	1.0	790
3Q	1	7/0.43	1.29	0.6	1.0	15.9	0.3	1.5	21.1	1.1	890
4Q	1	7/0.43	1.29	0.6	1.0	18.0	0.3	1.6	23.4	1.2	1070
7Q	1	7/0.43	1.29	0.6	1.0	22.9	0.3	1.8	28.8	1.4	1610
8Q	1	7/0.43	1.29	0.6	1.0	23.8	0.3	1.8	29.7	1.5	1750
12Q	1	7/0.43	1.29	0.6	1.2	29.7	0.3	2.1	36.2	1.8	2520
15Q	1	7/0.43	1.29	0.6	1.2	33.3	0.4	2.2	40.3	2.0	3250

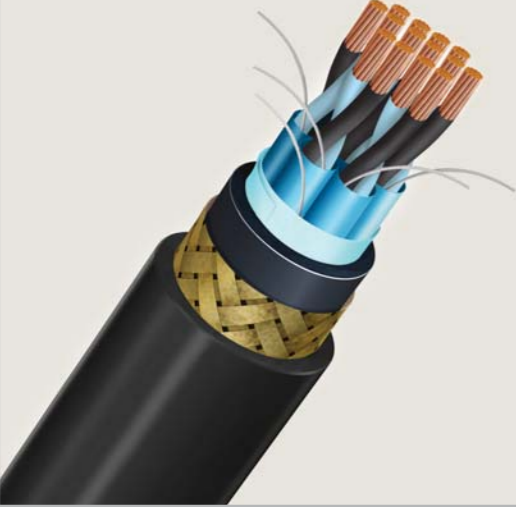
Table 4 : 250V - BFCU(I),BFOU(I),BFBU(I),BFCB(I),BFOB(I),BFBB(I) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	2.5	7/0.67	2.01	0.7	1.0	10.2	0.3	1.3	15.0	0.8	450
2P	2.5	7/0.67	2.01	0.7	1.0	16.0	0.3	1.5	21.2	1.1	850
3P	2.5	7/0.67	2.01	0.7	1.0	17.4	0.3	1.6	22.9	1.1	1000
4P	2.5	7/0.67	2.01	0.7	1.0	19.4	0.3	1.7	25.1	1.3	1200
5P	2.5	7/0.67	2.01	0.7	1.0	21.3	0.3	1.7	27.0	1.3	1400
6P	2.5	7/0.67	2.01	0.7	1.0	23.5	0.3	1.8	29.3	1.5	1640
7P	2.5	7/0.67	2.01	0.7	1.0	24.4	0.3	1.9	30.4	1.5	1770
8P	2.5	7/0.67	2.01	0.7	1.0	25.6	0.3	1.9	31.7	1.6	1930
10P	2.5	7/0.67	2.01	0.7	1.2	28.7	0.3	2.0	35.0	1.7	2360
12P	2.5	7/0.67	2.01	0.7	1.2	29.7	0.3	2.1	36.2	1.8	2570
16P	2.5	7/0.67	2.01	0.7	1.2	34.8	0.4	2.3	42.0	2.1	3540
20P	2.5	7/0.67	2.01	0.7	1.4	38.3	0.4	2.4	45.8	2.3	4250
24P	2.5	7/0.67	2.01	0.7	1.4	43.0	0.4	2.6	50.9	2.5	5160
32P	2.5	7/0.67	2.01	0.7	1.4	47.7	0.4	2.8	56.0	2.8	6370
1T	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
2T	2.5	7/0.67	2.01	0.7	1.0	17.4	0.3	1.6	22.8	1.1	980
3T	2.5	7/0.67	2.01	0.7	1.0	18.0	0.3	1.6	23.4	1.2	1100
4T	2.5	7/0.67	2.01	0.7							

NEK606 Type Cable

250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C)

250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2

Cable Identification
■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 250V RFCU(I/C) 19P X 1SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... Copper/polyester or Aluminum/polyester with drain wire
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminum/polyester with drain wire
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1-1 : 250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	0.75	7/0.37	1.11	0.6	1.0	7.0	0.3	1.2	11.6	0.6	280
2P	0.75	7/0.37	1.11	0.6	1.0	10.7	0.3	1.3	15.5	0.8	470
3P	0.75	7/0.37	1.11	0.6	1.0	11.6	0.3	1.3	16.4	0.8	550
4P	0.75	7/0.37	1.11	0.6	1.0	12.8	0.3	1.4	17.8	0.9	630
5P	0.75	7/0.37	1.11	0.6	1.0	14.0	0.3	1.4	19.0	1.0	730
6P	0.75	7/0.37	1.11	0.6	1.0	15.3	0.3	1.5	20.5	1.0	830
7P	0.75	7/0.37	1.11	0.6	1.0	15.9	0.3	1.5	21.1	1.1	900
8P	0.75	7/0.37	1.11	0.6	1.0	16.6	0.3	1.5	21.9	1.1	970
10P	0.75	7/0.37	1.11	0.6	1.0	18.3	0.3	1.6	23.7	1.2	1140
12P	0.75	7/0.37	1.11	0.6	1.0	18.9	0.3	1.6	24.3	1.2	1230
16P	0.75	7/0.37	1.11	0.6	1.0	22.1	0.3	1.8	27.9	1.4	1580
20P	0.75	7/0.37	1.11	0.6	1.0	24.0	0.3	1.8	29.8	1.5	1860
24P	0.75	7/0.37	1.11	0.6	1.0	26.9	0.3	2.0	33.1	1.7	2240
32P	0.75	7/0.37	1.11	0.6	1.2	30.2	0.4	2.1	37.0	1.8	2940

Table 1-2 : 250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1T	0.75	7/0.37	1.11	0.6	1.0	7.4	0.3	1.2	12.0	0.6	270
2T	0.75	7/0.37	1.11	0.6	1.0	11.6	0.3	1.3	16.4	0.8	540
3T	0.75	7/0.37	1.11	0.6	1.0	12.0	0.3	1.4	17.0	0.8	580
4T	0.75	7/0.37	1.11	0.6	1.0	13.5	0.3	1.4	18.5	0.9	700
7T	0.75	7/0.37	1.11	0.6	1.0	17.0	0.3	1.6	22.4	1.1	1010
8T	0.75	7/0.37	1.11	0.6	1.0	17.6	0.3	1.6	23.1	1.2	1080
12T	0.75	7/0.37	1.11	0.6	1.0	21.6	0.3	1.7	27.2	1.4	1510
15T	0.75	7/0.37	1.11	0.6	1.0	24.1	0.3	1.8	29.9	1.5	1830
16T	0.75	7/0.37	1.11	0.6	1.0	24.1	0.3	1.8	29.9	1.5	1860
24T	0.75	7/0.37	1.11	0.6	1.2	30.5	0.4	2.1	37.3	1.9	2910
32T	0.75	7/0.37	1.11	0.6	1.2	33.8	0.4	2.2	40.8	2.0	3580
1Q	0.75	7/0.37	1.11	0.6	1.0	8.0	0.3	1.2	12.6	0.6	300
2Q	0.75	7/0.37	1.11	0.6	1.0	12.6	0.3	1.4	17.6	0.9	600
3Q	0.75	7/0.37	1.11	0.6	1.0	13.1	0.3	1.4	18.1	0.9	660
4Q	0.75	7/0.37	1.11	0.6	1.0	14.7	0.3	1.5	20.0	1.0	800
7Q	0.75	7/0.37	1.11	0.6	1.0	18.7	0.3	1.6	24.1	1.2	1180
8Q	0.75	7/0.37	1.11	0.6	1.0	19.4	0.3	1.7	25.0	1.3	1260
12Q	0.75	7/0.37	1.11	0.6	1.0	23.7	0.3	1.8	29.6	1.5	1770
15Q	0.75	7/0.37	1.11	0.6	1.0	26.6	0.3	1.9	32.6	1.6	2150

Table 2 : 250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1	7/0.43	1.29	0.6	1.0	7.4	0.3	1.2	12.0	0.6	290
2P	1	7/0.43	1.29	0.6	1.0	11.3	0.3	1.3	16.1	0.8	520
3P	1	7/0.43	1.29	0.6	1.0	12.3	0.3	1.4	17.3	0.9	590
4P	1	7/0.43	1.29	0.6	1.0	13.6	0.3	1.4	18.6	0.9	700
5P	1	7/0.43	1.29	0.6	1.0	14.8	0.3	1.5	20.1	1.0	800
6P	1	7/0.43	1.29	0.6	1.0	16.3	0.3	1.5	21.5	1.1	920
7P	1	7/0.43	1.29	0.6	1.0	16.8	0.3	1.6	22.3	1.1	990
8P	1	7/0.43	1.29	0.6	1.0	17.7	0.3	1.6	23.1	1.2	1070
10P	1	7/0.43	1.29	0.6	1.0	19.5	0.3	1.7	25.1	1.3	1260
12P	1	7/0.43	1.29	0.6	1.0	20.1	0.3	1.7	25.7	1.3	1370
16P	1	7/0.43	1.29	0.6	1.0	23.5	0.3	1.8	29.3	1.5	1770
20P	1	7/0.43	1.29	0.6	1.0	25.5	0.3	1.9	31.6	1.6	2070
24P	1	7/0.43	1.29	0.6	1.2	29.0	0.3	2.0	35.3	1.8	2560
32P	1	7/0.43	1.29	0.6	1.2	32.1	0.4	2.2	39.2	2.0	3300
1T	1	7/0.43	1.29	0.6	1.0	7.8	0.3	1.2	12.4	0.6	290
2T	1	7/0.43	1.29	0.6	1.0	12.2	0.3	1.4	17.2	0.9	580
3T	1	7/0.43	1.29	0.6	1.0	12.6	0.3	1.4	17.7	0.9	640
4T	1	7/0.43	1.29	0.6	1.0	14.3	0.3	1.5	19.5	1.0	770
7T	1	7/0.43	1.29	0.6	1.0	18.0	0.3	1.6	23.5	1.2	1120
8T	1	7/0.43	1.29	0.6	1.0	18.7	0.3	1.6	24.2	1.2	1220
12T	1	7/0.43	1.29	0.6	1.0	22.9	0.3	1.8	28.8	1.4	1690
15T	1	7/0.43	1.29	0.6	1.0	25.7	0.3	1.9	31.7	1.6	2050
16T	1	7/0.43	1.29	0.6	1.0	25.7	0.3	1.9	31.7	1.6	2090
24T	1	7/0.43	1.29	0.6	1.2	32.5	0.4	2.2	39.5	2.0	3270
32T	1	7/0.43	1.29	0.6	1.2	36.0	0.4	2.3	43.2	2.2	4050
1Q	1	7/0.43	1.29	0.6	1.0	8.5	0.3	1.2	13.0	0.7	330
2Q	1	7/0.43	1.29	0.6	1.0	13.4	0.3	1.4	18.4	0.9	670
3Q	1	7/0.43	1.29	0.6	1.0	13.8	0.3	1.4	18.8	0.9	730
4Q	1	7/0.43	1.29	0.6	1.0	15.6	0.3	1.5	20.9	1.0	880
7Q	1	7/0.43	1.29	0.6	1.0	19.8	0.3	1.7	25.5	1.3	1310
8Q	1	7/0.43	1.29	0.6	1.0	20.6	0.3	1.7	26.3	1.3	1410
12Q	1	7/0.43	1.29	0.6	1.0	25.3	0.3	1.9	31.3	1.6	1990
15Q	1	7/0.43	1.29	0.6	1.2	28.7	0.3	2.0	35.0	1.7	2480

NEK606 Type Cable

250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C)

NEK606 Type Cable

250V - BFCU(I/C),BFOU(I/C),BFBU(I/C),BFCB(I/C),BFOB(I/C),BFBB(I/C)

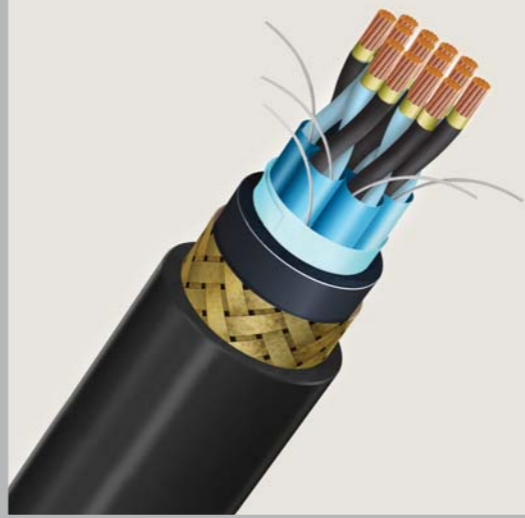
Table 3 : 250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1.5	7/0.53	1.59	0.7	1.0	8.4	0.3	1.2	13.0	0.7	350
2P	1.5	7/0.53	1.59	0.7	1.0	13.0	0.3	1.4	18.0	0.9	620
3P	1.5	7/0.53	1.59	0.7	1.0	14.2	0.3	1.4	19.2	1.0	730
4P	1.5	7/0.53	1.59	0.7	1.0	15.7	0.3	1.5	20.9	1.0	860
5P	1.5	7/0.53	1.59	0.7	1.0	17.2	0.3	1.6	22.6	1.1	1000
6P	1.5	7/0.53	1.59	0.7	1.0	18.9	0.3	1.6	24.3	1.2	1160
7P	1.5	7/0.53	1.59	0.7	1.0	19.6	0.3	1.7	25.2	1.3	1240
8P	1.5	7/0.53	1.59	0.7	1.0	20.5	0.3	1.7	26.2	1.3	1350
10P	1.5	7/0.53	1.59	0.7	1.0	22.7	0.3	1.8	28.5	1.4	1600
12P	1.5	7/0.53	1.59	0.7	1.0	23.4	0.3	1.8	29.3	1.5	1750
16P	1.5	7/0.53	1.59	0.7	1.2	27.8	0.3	2.0	34.1	1.7	2300
20P	1.5	7/0.53	1.59	0.7	1.2	30.3	0.4	2.1	37.1	1.9	2860
24P	1.5	7/0.53	1.59	0.7	1.2	34.0	0.4	2.3	41.2	2.1	3460
32P	1.5	7/0.53	1.59	0.7	1.4	38.0	0.4	2.4	45.5	2.3	4330
1T	1.5	7/0.53	1.59	0.7	1.0	8.9	0.3	1.2	13.5	0.7	350
2T	1.5	7/0.53	1.59	0.7	1.0	14.1	0.3	1.4	19.1	1.0	720
3T	1.5	7/0.53	1.59	0.7	1.0	14.6	0.3	1.5	19.8	1.0	790
4T	1.5	7/0.53	1.59	0.7	1.0	16.5	0.3	1.5	21.7	1.1	970
7T	1.5	7/0.53	1.59	0.7	1.0	21.0	0.3	1.7	26.7	1.3	1440
8T	1.5	7/0.53	1.59	0.7	1.0	21.8	0.3	1.8	27.7	1.4	1550
12T	1.5	7/0.53	1.59	0.7	1.0	26.8	0.3	2.0	33.1	1.7	2200
15T	1.5	7/0.53	1.59	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2870
16T	1.5	7/0.53	1.59	0.7	1.2	30.5	0.4	2.1	37.3	1.9	2920
24T	1.5	7/0.53	1.59	0.7	1.4	38.5	0.4	2.4	46.0	2.3	4340
32T	1.5	7/0.53	1.59	0.7	1.4	42.7	0.4	2.6	50.5	2.5	5350
1Q	1.5	7/0.53	1.59	0.7	1.0	9.7	0.3	1.3	14.5	0.7	390
2Q	1.5	7/0.53	1.59	0.7	1.0	15.5	0.3	1.5	20.7	1.0	820
3Q	1.5	7/0.53	1.59	0.7	1.0	16.0	0.3	1.5	21.2	1.1	920
4Q	1.5	7/0.53	1.59	0.7	1.0	18.2	0.3	1.6	23.6	1.2	1120
7Q	1.5	7/0.53	1.59	0.7	1.0	23.2	0.3	1.8	29.0	1.5	1690
8Q	1.5	7/0.53	1.59	0.7	1.0	24.1	0.3	1.8	29.9	1.5	1840
12Q	1.5	7/0.53	1.59	0.7	1.2	30.0	0.4	2.1	36.9	1.8	2800
15Q	1.5	7/0.53	1.59	0.7	1.2	33.7	0.4	2.2	40.7	2.0	3410

Table 4 : 250V - RFCU(I/C),RFOU(I/C),RFBU(I/C),RFCB(I/C),RFOB(I/C),RFBB(I/C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	2.5	7/0.67	2.01	0.7	1.0	9.3	0.3	1.3	14.1	0.7	400
2P	2.5	7/0.67	2.01	0.7	1.0	14.4	0.3	1.5	19.6	1.0	740
3P	2.5	7/0.67	2.01	0.7	1.0	15.7	0.3	1.5	20.9	1.0	860
4P	2.5	7/0.67	2.01	0.7	1.0	17.5	0.3	1.6	22.9	1.1	1030
5P	2.5	7/0.67	2.01	0.7	1.0	19.1	0.3	1.6	24.6	1.2	1210
6P	2.5	7/0.67	2.01	0.7	1.0	21.0	0.3	1.7	26.7	1.3	1410
7P	2.5	7/0.67	2.01	0.7	1.0	21.8	0.3	1.8	27.7	1.4	1520
8P	2.5	7/0.67	2.01	0.7	1.0	22.9	0.3	1.8	28.8	1.4	1650
10P	2.5	7/0.67	2.01	0.7	1.0	25.3	0.3	1.9	31.4	1.6	1970
12P	2.5	7/0.67	2.01	0.7	1.0	26.2	0.3	1.9	32.3	1.6	2160
16P	2.5	7/0.67	2.01	0.7	1.2	31.1	0.4	2.1	37.9	1.9	3020
20P	2.5	7/0.67	2.01	0.7	1.2	33.9	0.4	2.3	41.1	2.1	3560
24P	2.5	7/0.67	2.01	0.7	1.4	38.4	0.4	2.4	45.9	2.3	4370
32P	2.5	7/0.67	2.01	0.7	1.4	42.6	0.4	2.6	50.5	2.5	5400
1T	2.5	7/0.67	2.01	0.7	1.0	9.8	0.3	1.3	14.6	0.7	410
2T	2.5	7/0.67	2.01	0.7	1.0	15.7	0.3	1.5	20.9	1.0	850
3T	2.5	7/0.67	2.01	0.7	1.0	16.2	0.3	1.5	21.4	1.1	960
4T	2.5	7/0.67	2.01	0.7	1.0	18.4	0.3	1.6	23.8	1.2	1180
7T	2.5	7/0.67	2.01	0.7	1.0	23.5	0.3	1.8	29.3	1.5	1790
8T	2.5	7/0.67	2.01	0.7	1.0	24.4	0.3	1.9	30.5	1.5	1930
12T	2.5	7/0.67	2.01	0.7	1.2	30.4	0.4	2.1	37.3	1.9	2960
15T	2.5	7/0.67	2.01	0.7	1.2	34.1	0.4	2.3	41.3	2.1	3590
16T	2.5	7/0.67	2.01	0.7	1.2	34.1	0.4	2.3	41.3	2.1	3660
24T	2.5	7/0.67	2.01	0.7	1.4	43.2	0.4	2.6	51.0	2.6	5490
32T	2.5	7/0.67	2.01	0.7	1.6	48.2	0.4	2.8	56.5	2.8	6890
1Q	2.5	7/0.67	2.01	0.7	1.0	10.7	0.3	1.3	15.5	0.8	460
2Q	2.5	7/0.67	2.01	0.7	1.0	17.2	0.3	1.6	22.6	1.1	990
3Q	2.5	7/0.67	2.01	0.7	1.0	17.8	0.3	1.6	23.2	1.2	1120
4Q	2.5	7/0.67	2.01	0.7	1.0	20.3	0.3	1.7	25.9	1.3	1380
7Q	2.5	7/0.67	2.01	0.7	1.0	25.9	0.3	1.9	32.0	1.6	2140
8Q	2.5	7/0.67	2.01	0.7	1.0	27.0	0.3	2.0	33.2	1.7	2320
12Q	2.5	7/0.67	2.01	0.7	1.2	33.6	0.4	2.2	40.7	2.0	3540
15Q	2.5	7/0.67	2.01	0.7	1.4	38.1	0.4	2.4	45.6	2.3	4390

250V - BFCU(I/C),BFOU(I/C),BFBU(I/C),BFCB(I/C),BFOB(I/C),BFBB(I/C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V BFCU(I/C) 19P X 1SQMM LS CABLE [year]
 IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... Copper/polyester or Aluminum/polyester with drain wire
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Armor ~CU, ~CB : Galvanized steel wire braid
 ~OU, ~OB : Tinned copper wire braid
 ~BU, ~BB : Bronze wire braid
 *If necessary, separator tape under and/or over the armor

Table 1-1 : 250V - BFCU(I/C),BFOU(I/C),BFBU(I/C),BFCB(I/C),BFOB(I/C),BFBB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	0.75	7/0.37	1.11	0.6	1.0	8.0	0.3	1.2	12.6	0.6	320
2P	0.75	7/0.37	1.11	0.6	1.0	12.3	0.3	1.4	17.3	0.9	570
3P	0.75	7/0.37	1.11	0.6	1.0	13.4	0.3	1.4	18.4	0.9	660
4P	0.75	7/0.37	1.11	0.6	1.0	14.8	0.3	1.5	20.0	1.0	780
5P	0.75	7/0.37	1.11	0.6	1.0	16.2	0.3	1.5	21.4	1.1	890
6P	0.75	7/0.37	1.11	0.6	1.0	17.8	0.3	1.6	23.2	1.2	1040
7P	0.75	7/0.37	1.11	0.6	1.0	18.4	0.3	1.6	23.8	1.2	1110
8P	0.75	7/0.37	1.11	0.6	1.0	19.3	0.3	1.7	25.0	1.2	1220
10P	0.75	7/0.37	1.11	0.6	1.0	21.3	0.3	1.7	26.9	1.3	1430
12P	0.75	7/0.37	1.11	0.6	1.0	22.0	0.3	1.8	27.9	1.4	1570
16P	0.75	7/0.37	1.11	0.6	1.0	25.7	0.3	1.9	31.8	1.6	2030
20P	0.75	7/0.37	1.11	0.6	1.2	28.4	0.3	2.0	34.7	1.7	2430
24P	0.75	7/0.37	1.11	0.6	1.2	31.9	0.4	2.2	38.9	1.9	3100
32P	0.75	7/0.37	1.11	0.6	1.2	35.3	0.4	2.3	42.5	2.1	3810

NEK606 Type Cable

250V - BFCU(I/C),BFOU(I/C),BFBU(I/C),BFCB(I/C),BFOB(I/C),BFBB(I/C)

Table 1-2 : 250V - BFCU(I /C),BFOU(I /C),BFBU(I /C),BFCB(I /C),BFOB(I /C),BFBB(I /C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1T	0.75	7/0.37	1.11	0.6	1.0	8.4	0.3	1.2	13.0	0.7	330
2T	0.75	7/0.37	1.11	0.6	1.0	13.3	0.3	1.4	18.3	0.9	640
3T	0.75	7/0.37	1.11	0.6	1.0	13.8	0.3	1.4	18.8	0.9	710
4T	0.75	7/0.37	1.11	0.6	1.0	15.6	0.3	1.5	20.8	1.0	860
7T	0.75	7/0.37	1.11	0.6	1.0	19.7	0.3	1.7	25.4	1.3	1290
8T	0.75	7/0.37	1.11	0.6	1.0	20.5	0.3	1.7	26.2	1.3	1390
12T	0.75	7/0.37	1.11	0.6	1.0	25.2	0.3	1.9	31.2	1.6	1960
15T	0.75	7/0.37	1.11	0.6	1.2	28.6	0.3	2.0	34.8	1.7	2410
16T	0.75	7/0.37	1.11	0.6	1.2	28.6	0.3	2.0	34.8	1.7	2460
24T	0.75	7/0.37	1.11	0.6	1.2	35.7	0.4	2.3	43.0	2.1	3800
32T	0.75	7/0.37	1.11	0.6	1.4	40.0	0.4	2.5	47.7	2.4	4760
1Q	0.75	7/0.37	1.11	0.6	1.0	9.2	0.3	1.2	13.7	0.7	360
2Q	0.75	7/0.37	1.11	0.6	1.0	14.6	0.3	1.5	19.8	1.0	740
3Q	0.75	7/0.37	1.11	0.6	1.0	15.1	0.3	1.5	20.3	1.0	820
4Q	0.75	7/0.37	1.11	0.6	1.0	17.1	0.3	1.6	22.5	1.1	1010
7Q	0.75	7/0.37	1.11	0.6	1.0	21.8	0.3	1.8	27.6	1.4	1520
8Q	0.75	7/0.37	1.11	0.6	1.0	22.6	0.3	1.8	28.5	1.4	1640
12Q	0.75	7/0.37	1.11	0.6	1.2	28.2	0.3	2.0	34.4	1.7	2360
15Q	0.75	7/0.37	1.11	0.6	1.2	31.6	0.4	2.2	38.6	1.9	3040

Table 3 : 250V - BFCU(I /C),BFOU(I /C),BFBU(I /C),BFCB(I /C),BFOB(I /C),BFBB(I /C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1.5	7/0.53	1.59	0.7	1.0	9.4	0.3	1.3	14.2	0.7	400
2P	1.5	7/0.53	1.59	0.7	1.0	14.6	0.3	1.5	19.8	1.0	730
3P	1.5	7/0.53	1.59	0.7	1.0	15.9	0.3	1.5	21.1	1.1	860
4P	1.5	7/0.53	1.59	0.7	1.0	17.7	0.3	1.6	23.1	1.2	1010
5P	1.5	7/0.53	1.59	0.7	1.0	19.4	0.3	1.7	25.0	1.3	1180
6P	1.5	7/0.53	1.59	0.7	1.0	21.3	0.3	1.7	26.9	1.3	1370
7P	1.5	7/0.53	1.59	0.7	1.0	22.1	0.3	1.8	28.0	1.4	1470
8P	1.5	7/0.53	1.59	0.7	1.0	23.2	0.3	1.8	29.1	1.5	1600
10P	1.5	7/0.53	1.59	0.7	1.0	25.7	0.3	1.9	31.7	1.6	1900
12P	1.5	7/0.53	1.59	0.7	1.0	26.5	0.3	1.9	32.6	1.6	2080
16P	1.5	7/0.53	1.59	0.7	1.2	31.5	0.4	2.2	38.6	1.9	2920
20P	1.5	7/0.53	1.59	0.7	1.2	34.3	0.4	2.3	41.6	2.1	3430
24P	1.5	7/0.53	1.59	0.7	1.4	38.9	0.4	2.5	46.6	2.3	4210
32P	1.5	7/0.53	1.59	0.7	1.4	43.2	0.4	2.6	51.0	2.6	5210
1T	1.5	7/0.53	1.59	0.7	1.0	9.9	0.3	1.3	14.7	0.7	400
2T	1.5	7/0.53	1.59	0.7	1.0	15.8	0.3	1.5	21.1	1.1	840
3T	1.5	7/0.53	1.59	0.7	1.0	16.4	0.3	1.5	21.6	1.1	930
4T	1.5	7/0.53	1.59	0.7	1.0	18.6	0.3	1.6	24.0	1.2	1140
7T	1.5	7/0.53	1.59	0.7	1.0	23.8	0.3	1.8	29.6	1.5	1720
8T	1.5	7/0.53	1.59	0.7	1.0	24.7	0.3	1.9	30.8	1.5	1850
12T	1.5	7/0.53	1.59	0.7	1.2	30.8	0.4	2.1	37.6	1.9	2830
15T	1.5	7/0.53	1.59	0.7	1.2	34.5	0.4	2.3	41.8	2.1	3430
16T	1.5	7/0.53	1.59	0.7	1.2	34.5	0.4	2.3	41.8	2.1	3490
24T	1.5	7/0.53	1.59	0.7	1.4	43.7	0.4	2.6	51.6	2.6	5230
32T	1.5	7/0.53	1.59	0.7	1.6	48.9	0.4	2.9	57.4	2.9	6540
1Q	1.5	7/0.53	1.59	0.7	1.0	10.8	0.3	1.3	15.6	0.8	460
2Q	1.5	7/0.53	1.59	0.7	1.0	17.4	0.3	1.6	22.8	1.1	970
3Q	1.5	7/0.53	1.59	0.7	1.0	18.0	0.3	1.6	23.5	1.2	1080
4Q	1.5	7/0.53	1.59	0.7	1.0	20.5	0.3	1.7	26.1	1.3	1330
7Q	1.5	7/0.53	1.59	0.7	1.0	26.3	0.3	1.9	32.3	1.6	2040
8Q	1.5	7/0.53	1.59	0.7	1.2	27.7	0.3	2.0	34.0	1.7	2240
12Q	1.5	7/0.53	1.59	0.7	1.2	34.1	0.4	2.3	41.3	2.1	3370
15Q	1.5	7/0.53	1.59	0.7	1.4	38.6	0.4	2.4	46.1	2.3	4170

Table 2 : 250V - BFCU(I /C),BFOU(I /C),BFBU(I /C),BFCB(I /C),BFOB(I /C),BFBB(I /C) 1.0SQ


NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	1	7/0.43	1.29	0.6	1.0	8.4	0.3	1.2	12.9	0.6	340
2P	1	7/0.43	1.29	0.6	1.0	12.9	0.3	1.4	17.9	0.9	610
3P	1	7/0.43	1.29	0.6	1.0	14.0	0.3	1.4	19.0	1.0	710
4P	1	7/0.43	1.29	0.6	1.0	15.6	0.3	1.5	20.8	1.0	830
5P	1	7/0.43	1.29	0.6	1.0	17.0	0.3	1.6	22.4	1.1	960
6P	1	7/0.43	1.29	0.6	1.0	18.7	0.3	1.6	24.1	1.2	1120
7P	1	7/0.43	1.29	0.6	1.0	19.4	0.3	1.7	25.0	1.3	1200
8P	1	7/0.43	1.29	0.6	1.0	20.3	0.3	1.7	26.0	1.3	1300
10P	1	7/0.43	1.29	0.6	1.0	22.4	0.3	1.8	28.3	1.4	1540
12P	1	7/0.43	1.29	0.6	1.0	23.2	0.3	1.8	29.0	1.5	1660
16P	1	7/0.43	1.29	0.6	1.2	27.5	0.3	2.0	33.8	1.7	2210
20P	1	7/0.43	1.29	0.6	1.2	30.0	0.3	2.1	36.4	1.8	2600
24P	1	7/0.43	1.29	0.6	1.2	33.6	0.4	2.2	40.6	2.0	3320
32P	1	7/0.43	1.29	0.6	1.2	37.2	0.4	2.4	44.7	2.2	4080
1T	1	7/0.43	1.29	0.6	1.0	8.8	0.3	1.2	13.4	0.7	350
2T	1	7/0.43	1.29	0.6	1.0	14.0	0.3	1.4	19.0	0.9	700
3T	1	7/0.43	1.29	0.6	1.0	14.5	0.3	1.5	19.7	1.0	760
4T	1	7/0.43	1.29	0.6	1.0	16.4	0.3	1.5	21.6	1.1	930
7T	1	7/0.43	1.29	0.6	1.0	20.8	0.3	1.7	26.4	1.3	1380
8T	1	7/0.43	1.29	0.6	1.0	21.6	0.3	1.7	27.3	1.4	1490
12T	1	7/0.43	1.29	0.6	1.0	26.5	0.3	1.9	32.6	1.6	2090
15T	1	7/0.43	1.29	0.6	1.2	30.1	0.4	2.1	37.0	1.8	2730
16T	1	7/0.43	1.29	0.6	1.2	30.1	0.4	2.1	37.0	1.8	2770
24T	1	7/0.43	1.29	0.6	1.4	38.1	0.4	2.4	45.6	2.3	4140
32T	1	7/0.43	1.29	0.6	1.4	42.2	0.4	2.6	50.1	2.5	5080
1Q	1	7/0.43	1.29	0.6	1.0	9.6	0.3	1.3	14.4	0.7	390
2Q	1	7/0.43	1.29	0.6	1.0	15.3	0.3	1.5	20.5	1.0	790
3Q	1	7/0.43	1.29	0.6	1.0	15.9	0.3	1.5	21.1	1.1	890
4Q	1	7/0.43	1.29	0.6	1.0	18.0	0.3	1.6	23.4	1.2	1070
7Q	1	7/0.43	1.29	0.6	1.0	22.9	0.3	1.8	28.8	1.4	1610
8Q	1	7/0.43	1.29	0.6	1.0	23.8	0.3	1.8	29.7	1.5	1750
12Q	1	7/0.43	1.29	0.6	1.2	29.7	0.3	2.1	36.2	1.8	2520
15Q	1	7/0.43	1.29	0.6	1.2	33.3	0.4	2.2	40.3	2.0	3250

Table 4 : 250V - BFCU(I /C),BFOU(I /C),BFBU(I /C),BFCB(I /C),BFOB(I /C),BFBB(I /C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Wire for braid	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.								
	mm ²	No./mm	mm								
1P	2.5	7/0.67	2.01	0.7	1.0	10.2	0.3	1.3	15.0	0.8	450
2P	2.5	7/0.67	2.01	0.7	1.0	16.0	0.3	1.5	21.2	1.1	850
3P	2.5	7/0.67	2.01	0.7	1.0	17.4	0.3	1.6	22.9	1.1	1000
4P	2.5	7/0.67	2.01	0.7	1.0	19.4	0.3	1.7	25.1	1.3	1200
5P	2.5	7/0.67	2.01	0.7	1.0	21.3	0.3	1.7	27.0	1.3	1400
6P	2.5	7/0.67	2.01	0.7	1.0	23.5	0.3	1.8	29.3	1.5	1640
7P	2.5	7/0.67	2.01	0.7	1.0	24.4	0.3	1.9	30.4	1.5	1770
8P	2.5	7/0.67	2.01	0.7	1.0	25.6	0.3	1.9	31.7	1.6	1930
10P	2.5	7/0.67	2.01	0.7	1.2	28.7	0.3	2.0	35.0	1.7	2360
12P	2.5	7/0.67	2.01	0.7	1.2	29.7	0.3	2.1	36.2	1.8	2570
16P	2.5	7/0.67	2.01	0.7	1.2	34.8	0.4	2.3	42.0	2.1	3540
20P	2.5	7/0.67	2.01	0.7	1.4	38.3	0.4	2.4	45.8	2.3	4250
24P	2.5	7/0.67	2.01	0.7	1.4	43.0	0.4	2.6	50.9	2.5	5160
32P	2.5	7/0.67	2.01	0.7	1.4	47.7	0.4	2.8	56.0	2.8	6370
1T	2.5	7/0.67	2.01	0.7	1.0	10.8	0.3	1.3	15.6	0.8	470
2T	2.5	7/0.67	2.01	0.7	1.0	17.4	0.3	1.6	22.8	1.1	980
3T	2.5	7/0.67	2.01	0.7	1.0	18.0	0.3	1.6	23.4	1.2	1100
4T	2.5	7/0.67</									

NEK606 Type Cable 250V - RFXU(C),RFXB(C)

250V - RFXU(C),RFXB(C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -376, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation White with core number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RFXU(C) 2C X 1SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1 : 250V - RFXU(C),RFXB(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.6	1.0	7.5	1.1	9.9	0.5	140
4	1	7/0.43	1.29	0.6	1.0	8.6	1.1	11.0	0.5	190
7	1	7/0.43	1.29	0.6	1.0	10.1	1.2	12.7	0.6	270
9	1	7/0.43	1.29	0.6	1.0	11.7	1.3	14.5	0.7	350
12	1	7/0.43	1.29	0.6	1.0	13.0	1.3	15.8	0.8	430
14	1	7/0.43	1.29	0.6	1.0	13.7	1.3	16.5	0.8	480
19	1	7/0.43	1.29	0.6	1.0	15.2	1.4	18.2	0.9	610
23	1	7/0.43	1.29	0.6	1.0	16.8	1.5	20.0	1.0	730
27	1	7/0.43	1.29	0.6	1.0	18.1	1.5	21.4	1.1	840
33	1	7/0.43	1.29	0.6	1.0	19.5	1.6	23.0	1.1	1000
37	1	7/0.43	1.29	0.6	1.0	20.3	1.6	23.7	1.2	1090
44	1	7/0.43	1.29	0.6	1.0	22.8	1.7	26.5	1.3	1330

Table 2 : 250V - RFXU(C),RFXB(C) 1.5SQ


NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	8.5	1.1	10.9	0.5	160
4	1.5	7/0.53	1.59	0.7	1.0	9.8	1.2	12.4	0.6	220
7	1.5	7/0.53	1.59	0.7	1.0	11.6	1.3	14.4	0.7	310
9	1.5	7/0.53	1.59	0.7	1.0	13.5	1.3	16.3	0.8	400
12	1.5	7/0.53	1.59	0.7	1.0	15.1	1.4	18.2	0.9	510
14	1.5	7/0.53	1.59	0.7	1.0	15.9	1.4	19.0	0.9	560
19	1.5	7/0.53	1.59	0.7	1.0	17.7	1.5	21.0	1.0	710
23	1.5	7/0.53	1.59	0.7	1.0	19.6	1.6	23.1	1.2	860
27	1.5	7/0.53	1.59	0.7	1.0	21.2	1.6	24.7	1.2	990
33	1.5	7/0.53	1.59	0.7	1.0	22.9	1.7	26.6	1.3	1170
37	1.5	7/0.53	1.59	0.7	1.0	23.8	1.8	27.7	1.4	1280
44	1.5	7/0.53	1.59	0.7	1.0	26.9	1.9	31.0	1.5	1580

Table 3 : 250V - RFXU(C),RFXB(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	9.4	1.2	12.0	0.6	180
4	2.5	7/0.67	2.01	0.7	1.0	10.8	1.2	13.4	0.7	240
7	2.5	7/0.67	2.01	0.7	1.0	12.9	1.3	15.7	0.8	350
9	2.5	7/0.67	2.01	0.7	1.0	15.0	1.4	18.1	0.9	450
12	2.5	7/0.67	2.01	0.7	1.0	16.9	1.5	20.1	1.0	570
14	2.5	7/0.67	2.01	0.7	1.0	17.8	1.5	21.0	1.1	630
19	2.5	7/0.67	2.01	0.7	1.0	19.8	1.6	23.3	1.2	790
23	2.5	7/0.67	2.01	0.7	1.0	22.0	1.7	25.6	1.3	960
27	2.5	7/0.67	2.01	0.7	1.0	23.8	1.8	27.7	1.4	1120
33	2.5	7/0.67	2.01	0.7	1.0	25.7	1.8	29.6	1.5	1310
37	2.5	7/0.67	2.01	0.7	1.0	26.8	1.9	30.9	1.5	1430
44	2.5	7/0.67	2.01	0.7	1.2	30.7	2.0	35.0	1.7	1800

NEK606 Type Cable 250V - BFXU(C),BFXB(C)

250V - BFXU(C),BFXB(C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -376, -359
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation White with core number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V BFXU(C) 2C X 1SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1 : 250V - BFXU(C),BFXB(C) 1.0SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.6	1.0	8.5	1.1	10.9	0.5	160
4	1	7/0.43	1.29	0.6	1.0	9.7	1.2	12.3	0.6	230
7	1	7/0.43	1.29	0.6	1.0	11.5	1.3	14.3	0.7	330
9	1	7/0.43	1.29	0.6	1.0	13.4	1.3	16.2	0.8	420
12	1	7/0.43	1.29	0.6	1.0	15.0	1.4	18.0	0.9	530
14	1	7/0.43	1.29	0.6	1.0	15.7	1.4	18.8	0.9	590
19	1	7/0.43	1.29	0.6	1.0	17.5	1.5	20.8	1.0	750
23	1	7/0.43	1.29	0.6	1.0	19.4	1.6	22.9	1.1	910
27	1	7/0.43	1.29	0.6	1.0	21.0	1.6	24.5	1.2	1050
33	1	7/0.43	1.29	0.6	1.0	22.7	1.7	26.3	1.3	1240
37	1	7/0.43	1.29	0.6	1.0	23.6	1.7	27.2	1.4	1350
44	1	7/0.43	1.29	0.6	1.0	26.6	1.9	30.7	1.5	1670

Table 2 : 250V - BFXU(C),BFXB(C) 1.5SQ


NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.0	9.5	1.2	12.1	0.6	190
4	1.5	7/0.53	1.59	0.7	1.0	10.9	1.2	13.6	0.7	260
7	1.5	7/0.53	1.59	0.7	1.0	13.0	1.3	15.8	0.8	380
9	1.5	7/0.53	1.59	0.7	1.0	15.2	1.4	18.2	0.9	500
12	1.5	7/0.53	1.59	0.7	1.0	17.1	1.5	20.3	1.0	630
14	1.5	7/0.53	1.59	0.7	1.0	18.0	1.5	21.2	1.1	700
19	1.5	7/0.53	1.59	0.7	1.0	20.1	1.6	23.5	1.2	880
23	1.5	7/0.53	1.59	0.7	1.0	22.3	1.7	25.9	1.3	1060
27	1.5	7/0.53	1.59	0.7	1.0	24.1	1.8	28.0	1.4	1240
33	1.5	7/0.53	1.59	0.7	1.0	26.1	1.8	30.0	1.5	1450
37	1.5	7/0.53	1.59	0.7	1.2	27.5	1.9	31.6	1.6	1620
44	1.5	7/0.53	1.59	0.7	1.2	31.1	2.0	35.4	1.8	1990

Table 3 : 250V - BFXU(C),BFXB(C) 2.5SQ

NO. of Cores	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.0	10.3	1.2	12.9	0.6	210
4	2.5	7/0.67	2.01	0.7	1.0	11.9	1.3	14.8	0.7	300
7	2.5	7/0.67	2.01	0.7	1.0	14.3	1.4	17.3	0.9	430
9	2.5	7/0.67	2.01	0.7	1.0	16.7	1.5	20.0	1.0	560
12	2.5	7/0.67	2.01	0.7	1.0	18.8	1.6	22.3	1.1	710
14	2.5	7/0.67	2.01	0.7	1.0	19.9	1.6	23.3	1.2	780
19	2.5	7/0.67	2.01	0.7	1.0	22.2	1.7	25.8	1.3	990
23	2.5	7/0.67	2.01	0.7	1.0	24.6	1.8	28.5	1.4	1200
27	2.5	7/0.67	2.01	0.7	1.0	26.7	1.9	30.8	1.5	1400
33	2.5	7/0.67	2.01	0.7	1.2	29.3	2.0	33.6	1.7	1680
37	2.5	7/0.67	2.01	0.7	1.2	30.5	2.0	34.8	1.7	1820
44	2.5	7/0.67	2.01	0.7	1.2	34.4	2.2	39.2	2.0	2270

NEK606 Type Cable 250V - RFXU(C),RFXB(C)

250V - RFXU(C),RFXB(C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
■ IEC 61034-1, -2

Cable Identification
■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
■ Outer Sheath Customer Requirement

Cable Marking
■ Ex. 250V RFXU(C) 7C X 2.5SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under
and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or
SHF2 Mud to IEC 60092-359 & NEK606
CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1-1 : 250V - RFXU(C),RFXB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1P	0.75	7/0.37	1.11	0.6	1.0	7.0	1.1	9.5	0.5	120
2P	0.75	7/0.37	1.11	0.6	1.0	10.1	1.2	12.7	0.6	190
3P	0.75	7/0.37	1.11	0.6	1.0	10.8	1.2	13.4	0.7	210
4P	0.75	7/0.37	1.11	0.6	1.0	11.6	1.3	14.4	0.7	240
5P	0.75	7/0.37	1.11	0.6	1.0	13.1	1.3	15.9	0.8	290
6P	0.75	7/0.37	1.11	0.6	1.0	13.6	1.3	16.4	0.8	310
7P	0.75	7/0.37	1.11	0.6	1.0	14.0	1.4	17.1	0.9	340
8P	0.75	7/0.37	1.11	0.6	1.0	14.9	1.4	18.0	0.9	370
10P	0.75	7/0.37	1.11	0.6	1.0	16.2	1.4	19.2	1.0	430
12P	0.75	7/0.37	1.11	0.6	1.0	17.6	1.5	20.9	1.0	510
16P	0.75	7/0.37	1.11	0.6	1.0	19.5	1.6	23.0	1.1	610
20P	0.75	7/0.37	1.11	0.6	1.0	20.9	1.6	24.4	1.2	690
24P	0.75	7/0.37	1.11	0.6	1.0	23.7	1.7	27.4	1.4	870
32P	0.75	7/0.37	1.11	0.6	1.0	25.7	1.8	29.6	1.5	1020

Table 1-2 : 250V - RFXU(C),RFXB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1T	0.75	7/0.37	1.11	0.6	1.0	7.4	1.1	9.8	0.5	110
2T	0.75	7/0.37	1.11	0.6	1.0	11.0	1.2	13.6	0.7	220
3T	0.75	7/0.37	1.11	0.6	1.0	11.4	1.3	14.2	0.7	240
4T	0.75	7/0.37	1.11	0.6	1.0	12.8	1.3	15.6	0.8	280
7T	0.75	7/0.37	1.11	0.6	1.0	16.1	1.4	19.2	1.0	430
8T	0.75	7/0.37	1.11	0.6	1.0	16.7	1.5	20.0	1.0	470
12T	0.75	7/0.37	1.11	0.6	1.0	20.4	1.6	23.9	1.2	660
15T	0.75	7/0.37	1.11	0.6	1.0	22.8	1.7	26.5	1.3	810
16T	0.75	7/0.37	1.11	0.6	1.0	22.8	1.7	26.5	1.3	820
24T	0.75	7/0.37	1.11	0.6	1.2	28.8	2.0	33.1	1.7	1280
32T	0.75	7/0.37	1.11	0.6	1.2	31.9	2.1	36.4	1.8	1550
1Q	0.75	7/0.37	1.11	0.6	1.0	8.0	1.1	10.4	0.5	130
2Q	0.75	7/0.37	1.11	0.6	1.0	12.1	1.3	14.9	0.7	260
3Q	0.75	7/0.37	1.11	0.6	1.0	12.5	1.3	15.3	0.8	270
4Q	0.75	7/0.37	1.11	0.6	1.0	14.1	1.4	17.1	0.9	340
7Q	0.75	7/0.37	1.11	0.6	1.0	17.8	1.5	21.0	1.1	520
8Q	0.75	7/0.37	1.11	0.6	1.0	18.5	1.5	21.7	1.1	550
12Q	0.75	7/0.37	1.11	0.6	1.0	22.6	1.7	26.2	1.3	800
15Q	0.75	7/0.37	1.11	0.6	1.0	25.3	1.8	29.1	1.5	990

Table 2 : 250V - RFXU(C),RFXB(C) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1P	1	7/0.43	1.29	0.6	1.0	7.4	1.1	9.8	0.5	130
2P	1	7/0.43	1.29	0.6	1.0	10.7	1.2	13.3	0.7	210
3P	1	7/0.43	1.29	0.6	1.0	11.4	1.3	14.2	0.7	240
4P	1	7/0.43	1.29	0.6	1.0	12.3	1.3	15.1	0.8	280
5P	1	7/0.43	1.29	0.6	1.0	13.9	1.4	17.0	0.8	350
6P	1	7/0.43	1.29	0.6	1.0	14.4	1.4	17.5	0.9	370
7P	1	7/0.43	1.29	0.6	1.0	14.9	1.4	18.0	0.9	390
8P	1	7/0.43	1.29	0.6	1.0	15.9	1.4	18.9	0.9	440
10P	1	7/0.43	1.29	0.6	1.0	17.2	1.5	20.5	1.0	510
12P	1	7/0.43	1.29	0.6	1.0	18.8	1.6	22.2	1.1	610
16P	1	7/0.43	1.29	0.6	1.0	20.8	1.6	24.3	1.2	730
20P	1	7/0.43	1.29	0.6	1.0	22.3	1.7	26.0	1.3	840
24P	1	7/0.43	1.29	0.6	1.0	25.3	1.8	29.2	1.5	1050
32P	1	7/0.43	1.29	0.6	1.2	27.9	1.9	32.0	1.6	1280
1T	1	7/0.43	1.29	0.6	1.0	7.8	1.1	10.2	0.5	130
2T	1	7/0.43	1.29	0.6	1.0	11.7	1.3	14.5	0.7	250
3T	1	7/0.43	1.29	0.6	1.0	12.1	1.3	14.9	0.7	270
4T	1	7/0.43	1.29	0.6	1.0	13.6	1.3	16.4	0.8	330
7T	1	7/0.43	1.29	0.6	1.0	17.2	1.5	20.4	1.0	510
8T	1	7/0.43	1.29	0.6	1.0	17.8	1.5	21.1	1.1	550
12T	1	7/0.43	1.29	0.6	1.0	21.8	1.7	25.4	1.3	800
15T	1	7/0.43	1.29	0.6	1.0	24.3	1.8	28.2	1.4	990
16T	1	7/0.43	1.29	0.6	1.0	24.3	1.8	28.2	1.4	990
24T	1	7/0.43	1.29	0.6	1.2	30.8	2.0	35.1	1.8	1530
32T	1	7/0.43	1.29	0.6	1.2	34.1	2.2	38.8	1.9	1880
1Q	1	7/0.43	1.29	0.6	1.0	8.5	1.1	10.9	0.5	140
2Q	1	7/0.43	1.29	0.6	1.0	12.8	1.3	15.6	0.8	290
3Q	1	7/0.43	1.29	0.6	1.0	13.2	1.3	16.1	0.8	320
4Q	1	7/0.43	1.29	0.6	1.0	15.0	1.4	18.0	0.9	400
7Q	1	7/0.43	1.29	0.6	1.0	19.0	1.6	22.4	1.1	620
8Q	1	7/0.43	1.29	0.6	1.0	19.7	1.6	23.2	1.2	670
12Q	1	7/0.43	1.29	0.6	1.0	24.1	1.8	28.0	1.4	980
15Q	1	7/0.43	1.29	0.6	1.2	27.4	1.9	31.5	1.6	1240

NEK606 Type Cable
250V - RFXU(C),RFXB(C)

NEK606 Type Cable
250V - BFXU(C),BFXB(C)

Table 3 : 250V - RFXU(C),RFXB(C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1.5	7/0.53	1.59	0.7	1.0	8.4	1.1	10.8	0.5	160
2P	1.5	7/0.53	1.59	0.7	1.0	12.4	1.3	15.2	0.8	280
3P	1.5	7/0.53	1.59	0.7	1.0	13.2	1.3	16.1	0.8	310
4P	1.5	7/0.53	1.59	0.7	1.0	14.3	1.4	17.3	0.9	370
5P	1.5	7/0.53	1.59	0.7	1.0	16.3	1.5	19.5	1.0	470
6P	1.5	7/0.53	1.59	0.7	1.0	16.8	1.5	20.1	1.0	500
7P	1.5	7/0.53	1.59	0.7	1.0	17.5	1.5	20.7	1.0	530
8P	1.5	7/0.53	1.59	0.7	1.0	18.6	1.5	21.8	1.1	600
10P	1.5	7/0.53	1.59	0.7	1.0	20.2	1.6	23.7	1.2	700
12P	1.5	7/0.53	1.59	0.7	1.0	22.1	1.7	25.7	1.3	830
16P	1.5	7/0.53	1.59	0.7	1.0	24.5	1.8	28.4	1.4	1020
20P	1.5	7/0.53	1.59	0.7	1.0	26.4	1.9	30.4	1.5	1190
24P	1.5	7/0.53	1.59	0.7	1.2	30.3	2.0	34.6	1.7	1520
32P	1.5	7/0.53	1.59	0.7	1.2	32.9	2.1	37.4	1.9	1800
1T	1.5	7/0.53	1.59	0.7	1.0	8.9	1.2	11.5	0.6	160
2T	1.5	7/0.53	1.59	0.7	1.0	13.6	1.3	16.4	0.8	330
3T	1.5	7/0.53	1.59	0.7	1.0	14.0	1.4	17.1	0.9	360
4T	1.5	7/0.53	1.59	0.7	1.0	15.9	1.4	18.9	0.9	450
7T	1.5	7/0.53	1.59	0.7	1.0	20.1	1.6	23.6	1.2	700
8T	1.5	7/0.53	1.59	0.7	1.0	20.9	1.6	24.4	1.2	760
12T	1.5	7/0.53	1.59	0.7	1.0	25.7	1.8	29.5	1.5	1110
15T	1.5	7/0.53	1.59	0.7	1.2	29.2	2.0	33.4	1.7	1420
16T	1.5	7/0.53	1.59	0.7	1.2	29.2	2.0	33.4	1.7	1430
24T	1.5	7/0.53	1.59	0.7	1.2	36.5	2.3	41.4	2.1	2180
32T	1.5	7/0.53	1.59	0.7	1.4	40.8	2.4	45.9	2.3	2710
1Q	1.5	7/0.53	1.59	0.7	1.0	9.7	1.2	12.3	0.6	190
2Q	1.5	7/0.53	1.59	0.7	1.0	14.9	1.4	18.0	0.9	390
3Q	1.5	7/0.53	1.59	0.7	1.0	15.4	1.4	18.5	0.9	430
4Q	1.5	7/0.53	1.59	0.7	1.0	17.5	1.5	20.7	1.0	540
7Q	1.5	7/0.53	1.59	0.7	1.0	22.3	1.7	26.0	1.3	860
8Q	1.5	7/0.53	1.59	0.7	1.0	23.2	1.7	26.8	1.3	930
12Q	1.5	7/0.53	1.59	0.7	1.2	28.9	2.0	33.2	1.7	1410
15Q	1.5	7/0.53	1.59	0.7	1.2	32.4	2.1	36.9	1.8	1740

Table 4 : 250V - RFXU(C),RFXB(C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	2.5	7/0.67	2.01	0.7	1.0	9.3	1.2	11.9	0.6	200
2P	2.5	7/0.67	2.01	0.7	1.0	13.8	1.4	16.8	0.8	350
3P	2.5	7/0.67	2.01	0.7	1.0	14.7	1.4	17.8	0.9	410
4P	2.5	7/0.67	2.01	0.7	1.0	15.9	1.4	18.9	0.9	480
5P	2.5	7/0.67	2.01	0.7	1.0	18.2	1.5	21.4	1.1	610
6P	2.5	7/0.67	2.01	0.7	1.0	18.8	1.6	22.3	1.1	670
7P	2.5	7/0.67	2.01	0.7	1.0	19.5	1.6	23.0	1.1	720
8P	2.5	7/0.67	2.01	0.7	1.0	20.8	1.6	24.3	1.2	810
10P	2.5	7/0.67	2.01	0.7	1.0	22.7	1.7	26.3	1.3	960
12P	2.5	7/0.67	2.01	0.7	1.0	24.8	1.8	28.7	1.4	1140
16P	2.5	7/0.67	2.01	0.7	1.2	28.0	1.9	32.1	1.6	1440
20P	2.5	7/0.67	2.01	0.7	1.2	30.1	2.0	34.4	1.7	1680
24P	2.5	7/0.67	2.01	0.7	1.2	34.1	2.2	38.8	1.9	2120
32P	2.5	7/0.67	2.01	0.7	1.2	37.1	2.3	42.0	2.1	2550
1T	2.5	7/0.67	2.01	0.7	1.0	9.8	1.2	12.4	0.6	200
2T	2.5	7/0.67	2.01	0.7	1.0	15.1	1.4	18.1	0.9	430
3T	2.5	7/0.67	2.01	0.7	1.0	15.6	1.4	18.7	0.9	470
4T	2.5	7/0.67	2.01	0.7	1.0	17.7	1.5	21.0	1.0	600
7T	2.5	7/0.67	2.01	0.7	1.0	22.6	1.7	26.2	1.3	960
8T	2.5	7/0.67	2.01	0.7	1.0	23.5	1.7	27.1	1.4	1040
12T	2.5	7/0.67	2.01	0.7	1.2	29.3	2.0	33.6	1.7	1590
15T	2.5	7/0.67	2.01	0.7	1.2	32.8	2.1	37.3	1.9	1960
16T	2.5	7/0.67	2.01	0.7	1.2	32.8	2.1	37.3	1.9	1990
24T	2.5	7/0.67	2.01	0.7	1.4	41.5	2.5	46.8	2.3	3100
32T	2.5	7/0.67	2.01	0.7	1.4	46.0	2.6	51.5	2.6	3830
1Q	2.5	7/0.67	2.01	0.7	1.0	10.7	1.2	13.3	0.7	240
2Q	2.5	7/0.67	2.01	0.7	1.0	16.6	1.5	19.9	1.0	520
3Q	2.5	7/0.67	2.01	0.7	1.0	17.2	1.5	20.5	1.0	580
4Q	2.5	7/0.67	2.01	0.7	1.0	19.6	1.6	23.0	1.2	740
7Q	2.5	7/0.67	2.01	0.7	1.0	25.0	1.8	28.9	1.4	1190
8Q	2.5	7/0.67	2.01	0.7	1.0	26.0	1.8	29.9	1.5	1290
12Q	2.5	7/0.67	2.01	0.7	1.2	32.5	2.1	37.0	1.8	1960
15Q	2.5	7/0.67	2.01	0.7	1.2	36.4	2.3	41.3	2.1	2450

250V - BFXU(C),BFXB(C)



Voltage Rating

■ 250V

Maximum Conductor Temperature

■ 90°C

Applied Standards

■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification

■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking

■ Ex. 250V BFXU(C) 7P X 2.5SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
 *If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1-1 : 250V - BFXU(C),BFXB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	0.75	7/0.37	1.11	0.6	1.0	8.0	1.1	10.4	0.5	140
2P	0.75	7/0.37	1.11	0.6	1.0	11.7	1.3	14.5	0.7	250
3P	0.75	7/0.37	1.11	0.6	1.0	12.5	1.3	15.3	0.8	280
4P	0.75	7/0.37	1.11	0.6	1.0	13.4	1.3	16.2	0.8	320
5P	0.75	7/0.37	1.11	0.6	1.0	15.3	1.4	18.3	0.9	400
6P	0.75	7/0.37	1.11	0.6	1.0	15.8	1.4	18.8	0.9	430
7P	0.75	7/0.37	1.11	0.6	1.0	16.4	1.5	19.6	1.0	470
8P	0.75	7/0.37	1.11	0.6	1.0	17.4	1.5	20.7	1.0	520
10P	0.75	7/0.37	1.11	0.6	1.0	18.9	1.6	22.4	1.1	610
12P	0.75	7/0.37	1.11	0.6	1.0	20.7	1.6	24.1	1.2	710
16P	0.75	7/0.37	1.11	0.6	1.0	22.9	1.7	26.6	1.3	870
20P	0.75	7/0.37	1.11	0.6	1.0	24.6	1.8	28.5	1.4	1000
24P	0.75	7/0.37	1.11	0.6	1.2	28.4	1.9	32.5	1.6	1290
32P	0.75	7/0.37	1.11	0.6	1.2	30.8	2.0	35.1	1.8	1520

NEK606 Type Cable 250V - BFXU(C),BFXB(C)

Table 1-2 : 250V - BFXU(C),BFXB(C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1T	0.75	7/0.37	1.11	0.6	1.0	8.4	1.1	10.8	0.5	140
2T	0.75	7/0.37	1.11	0.6	1.0	12.8	1.3	15.6	0.8	290
3T	0.75	7/0.37	1.11	0.6	1.0	13.2	1.3	16.0	0.8	310
4T	0.75	7/0.37	1.11	0.6	1.0	14.9	1.4	17.9	0.9	390
7T	0.75	7/0.37	1.11	0.6	1.0	18.9	1.6	22.3	1.1	610
8T	0.75	7/0.37	1.11	0.6	1.0	19.6	1.6	23.1	1.2	650
12T	0.75	7/0.37	1.11	0.6	1.0	24.0	1.8	27.9	1.4	950
15T	0.75	7/0.37	1.11	0.6	1.0	26.9	1.9	31.0	1.5	1170
16T	0.75	7/0.37	1.11	0.6	1.0	26.9	1.9	31.0	1.5	1180
24T	0.75	7/0.37	1.11	0.6	1.2	34.1	2.2	38.8	1.9	1840
32T	0.75	7/0.37	1.11	0.6	1.4	38.1	2.3	43.0	2.2	2280
1Q	0.75	7/0.37	1.11	0.6	1.0	9.2	1.2	11.8	0.6	170
2Q	0.75	7/0.37	1.11	0.6	1.0	14.0	1.4	17.1	0.9	350
3Q	0.75	7/0.37	1.11	0.6	1.0	14.5	1.4	17.5	0.9	370
4Q	0.75	7/0.37	1.11	0.6	1.0	16.4	1.5	19.7	1.0	470
7Q	0.75	7/0.37	1.11	0.6	1.0	20.9	1.6	24.3	1.2	730
8Q	0.75	7/0.37	1.11	0.6	1.0	21.7	1.7	25.4	1.3	790
12Q	0.75	7/0.37	1.11	0.6	1.0	26.6	1.9	30.7	1.5	1160
15Q	0.75	7/0.37	1.11	0.6	1.2	30.2	2.0	34.5	1.7	1470

Table 3 : 250V - BFXU(C),BFXB(C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1.5	7/0.53	1.59	0.7	1.0	9.4	1.2	12.0	0.6	200
2P	1.5	7/0.53	1.59	0.7	1.0	13.9	1.4	17.0	0.8	350
3P	1.5	7/0.53	1.59	0.7	1.0	14.9	1.4	18.0	0.9	400
4P	1.5	7/0.53	1.59	0.7	1.0	16.1	1.4	19.2	1.0	460
5P	1.5	7/0.53	1.59	0.7	1.0	18.4	1.5	21.7	1.1	590
6P	1.5	7/0.53	1.59	0.7	1.0	19.1	1.6	22.5	1.1	640
7P	1.5	7/0.53	1.59	0.7	1.0	19.8	1.6	23.2	1.2	690
8P	1.5	7/0.53	1.59	0.7	1.0	21.1	1.6	24.6	1.2	770
10P	1.5	7/0.53	1.59	0.7	1.0	23.0	1.7	26.6	1.3	910
12P	1.5	7/0.53	1.59	0.7	1.0	25.1	1.8	29.0	1.4	1080
16P	1.5	7/0.53	1.59	0.7	1.2	28.3	1.9	32.4	1.6	1360
20P	1.5	7/0.53	1.59	0.7	1.2	30.5	2.0	34.8	1.7	1590
24P	1.5	7/0.53	1.59	0.7	1.2	34.6	2.2	39.3	2.0	2010
32P	1.5	7/0.53	1.59	0.7	1.4	38.0	2.3	42.9	2.1	2430
1T	1.5	7/0.53	1.59	0.7	1.0	9.9	1.2	12.5	0.6	200
2T	1.5	7/0.53	1.59	0.7	1.0	15.3	1.4	18.3	0.9	410
3T	1.5	7/0.53	1.59	0.7	1.0	15.8	1.4	18.9	0.9	450
4T	1.5	7/0.53	1.59	0.7	1.0	17.9	1.5	21.2	1.1	580
7T	1.5	7/0.53	1.59	0.7	1.0	22.9	1.7	26.6	1.3	910
8T	1.5	7/0.53	1.59	0.7	1.0	23.8	1.8	27.7	1.4	1000
12T	1.5	7/0.53	1.59	0.7	1.2	29.7	2.0	34.0	1.7	1500
15T	1.5	7/0.53	1.59	0.7	1.2	33.2	2.1	37.7	1.9	1850
16T	1.5	7/0.53	1.59	0.7	1.2	33.2	2.1	37.7	1.9	1870
24T	1.5	7/0.53	1.59	0.7	1.4	42.1	2.5	47.4	2.4	2930
32T	1.5	7/0.53	1.59	0.7	1.4	46.6	2.7	52.4	2.6	3620
1Q	1.5	7/0.53	1.59	0.7	1.0	10.8	1.2	13.4	0.7	230
2Q	1.5	7/0.53	1.59	0.7	1.0	16.9	1.5	20.1	1.0	500
3Q	1.5	7/0.53	1.59	0.7	1.0	17.5	1.5	20.7	1.0	550
4Q	1.5	7/0.53	1.59	0.7	1.0	19.8	1.6	23.3	1.2	700
7Q	1.5	7/0.53	1.59	0.7	1.0	25.4	1.8	29.2	1.5	1120
8Q	1.5	7/0.53	1.59	0.7	1.0	26.4	1.9	30.5	1.5	1230
12Q	1.5	7/0.53	1.59	0.7	1.2	32.9	2.1	37.4	1.9	1850
15Q	1.5	7/0.53	1.59	0.7	1.2	36.9	2.3	41.9	2.1	2300

Table 2 : 250V - BFXU(C),BFXB(C) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1	7/0.43	1.29	0.6	1.0	8.4	1.1	10.8	0.5	160
2P	1	7/0.43	1.29	0.6	1.0	12.2	1.3	15.1	0.8	270
3P	1	7/0.43	1.29	0.6	1.0	13.1	1.3	15.9	0.8	310
4P	1	7/0.43	1.29	0.6	1.0	14.1	1.4	17.2	0.9	360
5P	1	7/0.43	1.29	0.6	1.0	16.1	1.4	19.1	1.0	450
6P	1	7/0.43	1.29	0.6	1.0	16.7	1.5	19.9	1.0	490
7P	1	7/0.43	1.29	0.6	1.0	17.3	1.5	20.5	1.0	530
8P	1	7/0.43	1.29	0.6	1.0	18.4	1.5	21.6	1.1	590
10P	1	7/0.43	1.29	0.6	1.0	20.0	1.6	23.4	1.2	700
12P	1	7/0.43	1.29	0.6	1.0	21.8	1.7	25.5	1.3	820
16P	1	7/0.43	1.29	0.6	1.0	24.2	1.8	28.1	1.4	1010
20P	1	7/0.43	1.29	0.6	1.0	26.1	1.8	29.9	1.5	1160
24P	1	7/0.43	1.29	0.6	1.2	30.0	2.0	34.3	1.7	1500
32P	1	7/0.43	1.29	0.6	1.2	32.6	2.1	37.1	1.9	1790
1T	1	7/0.43	1.29	0.6	1.0	8.8	1.2	11.4	0.6	160
2T	1	7/0.43	1.29	0.6	1.0	13.4	1.3	16.2	0.8	320
3T	1	7/0.43	1.29	0.6	1.0	13.9	1.4	16.9	0.8	360
4T	1	7/0.43	1.29	0.6	1.0	15.7	1.4	18.7	0.9	440
7T	1	7/0.43	1.29	0.6	1.0	19.9	1.6	23.4	1.2	700
8T	1	7/0.43	1.29	0.6	1.0	20.7	1.6	24.1	1.2	750
12T	1	7/0.43	1.29	0.6	1.0	25.4	1.8	29.2	1.5	1100
15T	1	7/0.43	1.29	0.6	1.2	28.8	2.0	33.1	1.7	1410
16T	1	7/0.43	1.29	0.6	1.2	28.8	2.0	33.1	1.7	1420
24T	1	7/0.43	1.29	0.6	1.2	36.0	2.2	40.8	2.0	2140
32T	1	7/0.43	1.29	0.6	1.4	40.3	2.4	45.5	2.3	2680
1Q	1	7/0.43	1.29	0.6	1.0	9.6	1.2	12.2	0.6	190
2Q	1	7/0.43	1.29	0.6	1.0	14.8	1.4	17.8	0.9	390
3Q	1	7/0.43	1.29	0.6	1.0	15.3	1.4	18.3	0.9	430
4Q	1	7/0.43	1.29	0.6	1.0	17.3	1.5	20.6	1.0	540
7Q	1	7/0.43	1.29	0.6	1.0	22.0	1.7	25.7	1.3	850
8Q	1	7/0.43	1.29	0.6	1.0	22.9	1.7	26.6	1.3	920
12Q	1	7/0.43	1.29	0.6	1.2	28.6	1.9	32.6	1.6	1380
15Q	1	7/0.43	1.29	0.6	1.2	32.0	2.1	36.5	1.8	1720


Table 4 : 250V - BFXU(C),BFXB(C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	2.5	7/0.67	2.01	0.7	1.0	10.2	1.2	12.8	0.6	240
2P	2.5	7/0.67	2.01	0.7	1.0	15.3	1.4	18.3	0.9	430
3P	2.5	7/0.67	2.01	0.7	1.0	16.4	1.5	19.7	1.0	510
4P	2.5	7/0.67	2.01	0.7	1.0	17.8	1.5	21.0	1.1	590
5P	2.5	7/0.67	2.01	0.7	1.0	20.3	1.6	23.8	1.2	750
6P	2.5	7/0.67	2.01	0.7	1.0	21.1	1.6	24.5	1.2	820
7P	2.5	7/0.67	2.01	0.7	1.0	21.9	1.7	25.5	1.3	900
8P	2.5	7/0.67	2.01	0.7	1.0	23.3	1.7	27.0	1.3	1010
10P	2.5	7/0.67	2.01	0.7	1.0	25.4	1.8	29.3	1.5	1200
12P	2.5	7/0.67	2.01	0.7	1.2	28.2	1.9	32.3	1.6	1450
16P	2.5	7/0.67	2.01	0.7	1.2	31.4	2.1	35.9	1.8	1820
20P	2.5	7/0.67	2.01	0.7	1.2	33.8	2.2	38.5	1.9	2130
24P	2.5	7/0.67	2.01	0.7	1.4	38.8	2.4	43.9	2.2	2720
32P	2.5	7/0.67	2.01	0.7	1.4	42.2	2.5	47.5	2.4	3270
1T	2.5	7/0.67	2.01	0.7	1.0	10.8	1.2	13.4	0.7	240
2T	2.5	7/0.67	2.01	0.7	1.0	16.8	1.5	20.1	1.0	530
3T	2.5	7/0.67	2.01	0.7	1.0	17.4	1.5	20.7	1.0	590
4T	2.5	7/0.67	2.01	0.7	1.0	19.8	1.6	23.3	1.2	750
7T	2.5	7/0.67	2.01	0.7	1.0	25.3	1.8	29.2	1.5	1200
8T	2.5	7/0.67	2.01	0.7	1.0	26.4	1.9	30.4	1.5	1320
12T	2.5	7/0.67	2.01	0.7	1.2	32.9	2.1	37.4	1.9	1990
15T	2.5	7/0.67	2.01	0.7	1.2	36.9	2.3	41.8	2.1	2480
16T	2.5	7/0.67	2.01	0.7	1.2	36.9	2.3	41.8	2.1	2520
24T	2.5	7/0.67	2.01	0.7	1.4	46.7	2.7	52.5	2.6	3920
32T	2.5	7/0.67	2.01	0.7	1.6	52.2	2.9	58.4	2.9	4930
1Q	2.5	7/0.67	2.01	0.7	1.0	11.8	1.3	14.7	0.7	290
2Q	2.5	7/0.67	2.01	0.7	1.0	18.6	1.5	21.8	1.1	630
3Q										

NEK606 Type Cable

250V - RFXU(I),RFXB(I)

250V - RFXU(I),RFXB(I)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RFXU(I) 7P X 2.5SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... Copper/polyester or Aluminium/polyester with drain wire
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A
- Armor N/A

Table 1-1 : 250V - RFXU(I),RFXB(I) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1P	0.75	7/0.37	1.11	0.6	1.0	7.0	1.1	9.5	0.5	120
2P	0.75	7/0.37	1.11	0.6	1.0	10.7	1.2	13.3	0.7	250
3P	0.75	7/0.37	1.11	0.6	1.0	11.6	1.3	14.5	0.7	310
4P	0.75	7/0.37	1.11	0.6	1.0	12.8	1.3	15.7	0.8	370
5P	0.75	7/0.37	1.11	0.6	1.0	14.0	1.4	17.0	0.9	450
6P	0.75	7/0.37	1.11	0.6	1.0	15.3	1.4	18.4	0.9	520
7P	0.75	7/0.37	1.11	0.6	1.0	15.9	1.4	18.9	0.9	570
8P	0.75	7/0.37	1.11	0.6	1.0	16.6	1.5	19.9	1.0	640
10P	0.75	7/0.37	1.11	0.6	1.0	18.3	1.5	21.6	1.1	770
12P	0.75	7/0.37	1.11	0.6	1.0	18.9	1.6	22.4	1.1	860
16P	0.75	7/0.37	1.11	0.6	1.0	22.1	1.7	25.7	1.3	1150
20P	0.75	7/0.37	1.11	0.6	1.0	24.0	1.8	27.9	1.4	1390
24P	0.75	7/0.37	1.11	0.6	1.0	26.9	1.9	31.0	1.5	1720
32P	0.75	7/0.37	1.11	0.6	1.2	30.2	2.0	34.5	1.7	2220

Table 1-2 : 250V - RFXU(I),RFXB(I) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1T	0.75	7/0.37	1.11	0.6	1.0	7.4	1.1	9.8	0.5	110
2T	0.75	7/0.37	1.11	0.6	1.0	11.6	1.3	14.4	0.7	300
3T	0.75	7/0.37	1.11	0.6	1.0	12.0	1.3	14.8	0.7	340
4T	0.75	7/0.37	1.11	0.6	1.0	13.5	1.3	16.3	0.8	420
7T	0.75	7/0.37	1.11	0.6	1.0	17.0	1.5	20.2	1.0	670
8T	0.75	7/0.37	1.11	0.6	1.0	17.6	1.5	20.9	1.0	730
12T	0.75	7/0.37	1.11	0.6	1.0	21.6	1.7	25.2	1.3	1090
15T	0.75	7/0.37	1.11	0.6	1.0	24.1	1.8	28.0	1.4	1360
16T	0.75	7/0.37	1.11	0.6	1.0	24.1	1.8	28.0	1.4	1390
24T	0.75	7/0.37	1.11	0.6	1.2	30.5	2.0	34.8	1.7	2170
32T	0.75	7/0.37	1.11	0.6	1.2	33.8	2.2	38.5	1.9	2770
1Q	0.75	7/0.37	1.11	0.6	1.0	8.0	1.1	10.4	0.5	130
2Q	0.75	7/0.37	1.11	0.6	1.0	12.6	1.3	15.5	0.8	340
3Q	0.75	7/0.37	1.11	0.6	1.0	13.1	1.3	15.9	0.8	390
4Q	0.75	7/0.37	1.11	0.6	1.0	14.7	1.4	17.8	0.9	500
7Q	0.75	7/0.37	1.11	0.6	1.0	18.7	1.5	21.9	1.1	790
8Q	0.75	7/0.37	1.11	0.6	1.0	19.4	1.6	22.8	1.1	880
12Q	0.75	7/0.37	1.11	0.6	1.0	23.7	1.7	27.4	1.4	1290
15Q	0.75	7/0.37	1.11	0.6	1.0	26.6	1.9	30.7	1.5	1630

Table 2 : 250V - RFXU(I),RFXB(I) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1P	1	7/0.43	1.29	0.6	1.0	7.4	1.1	9.8	0.5	130
2P	1	7/0.43	1.29	0.6	1.0	11.3	1.3	14.1	0.7	280
3P	1	7/0.43	1.29	0.6	1.0	12.3	1.3	15.1	0.8	340
4P	1	7/0.43	1.29	0.6	1.0	13.6	1.3	16.4	0.8	420
5P	1	7/0.43	1.29	0.6	1.0	14.8	1.4	17.9	0.9	500
6P	1	7/0.43	1.29	0.6	1.0	16.3	1.5	19.5	1.0	600
7P	1	7/0.43	1.29	0.6	1.0	16.8	1.5	20.1	1.0	650
8P	1	7/0.43	1.29	0.6	1.0	17.7	1.5	20.9	1.0	720
10P	1	7/0.43	1.29	0.6	1.0	19.5	1.6	22.9	1.1	880
12P	1	7/0.43	1.29	0.6	1.0	20.1	1.6	23.6	1.2	970
16P	1	7/0.43	1.29	0.6	1.0	23.5	1.7	27.1	1.4	1300
20P	1	7/0.43	1.29	0.6	1.0	25.5	1.8	29.4	1.5	1580
24P	1	7/0.43	1.29	0.6	1.2	29.0	2.0	33.3	1.7	2000
32P	1	7/0.43	1.29	0.6	1.2	32.1	2.1	36.6	1.8	2540
1T	1	7/0.43	1.29	0.6	1.0	7.8	1.1	10.2	0.5	130
2T	1	7/0.43	1.29	0.6	1.0	12.2	1.3	15.1	0.8	330
3T	1	7/0.43	1.29	0.6	1.0	12.6	1.3	15.5	0.8	380
4T	1	7/0.43	1.29	0.6	1.0	14.3	1.4	17.3	0.9	480
7T	1	7/0.43	1.29	0.6	1.0	18.0	1.5	21.3	1.1	760
8T	1	7/0.43	1.29	0.6	1.0	18.7	1.5	22.0	1.1	830
12T	1	7/0.43	1.29	0.6	1.0	22.9	1.7	26.6	1.3	1240
15T	1	7/0.43	1.29	0.6	1.0	25.7	1.8	29.5	1.5	1550
16T	1	7/0.43	1.29	0.6	1.0	25.7	1.8	29.5	1.5	1590
24T	1	7/0.43	1.29	0.6	1.2	32.5	2.1	37.0	1.9	2500
32T	1	7/0.43	1.29	0.6	1.2	36.0	2.2	40.7	2.0	3170
1Q	1	7/0.43	1.29	0.6	1.0	8.5	1.1	10.9	0.5	140
2Q	1	7/0.43	1.29	0.6	1.0	13.4	1.3	16.2	0.8	390
3Q	1	7/0.43	1.29	0.6	1.0	13.8	1.4	16.9	0.8	450
4Q	1	7/0.43	1.29	0.6	1.0	15.6	1.4	18.7	0.9	570
7Q	1	7/0.43	1.29	0.6	1.0	19.8	1.6	23.3	1.2	920
8Q	1	7/0.43	1.29	0.6	1.0	20.6	1.6	24.1	1.2	1010
12Q	1	7/0.43	1.29	0.6	1.0	25.3	1.8	29.2	1.5	1500
15Q	1	7/0.43	1.29	0.6	1.2	28.7	1.9	32.8	1.6	1910

NEK606 Type Cable 250V - BFXU(I),BFXB(I)

Table 1-2 : 250V - BFXU(I),BFXB(I) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1T	0.75	7/0.37	1.11	0.6	1.0	8.4	1.1	10.8	0.5	140
2T	0.75	7/0.37	1.11	0.6	1.0	13.3	1.3	16.1	0.8	380
3T	0.75	7/0.37	1.11	0.6	1.0	13.8	1.4	16.8	0.8	450
4T	0.75	7/0.37	1.11	0.6	1.0	15.6	1.4	18.6	0.9	560
7T	0.75	7/0.37	1.11	0.6	1.0	19.7	1.6	23.2	1.2	910
8T	0.75	7/0.37	1.11	0.6	1.0	20.5	1.6	24.0	1.2	990
12T	0.75	7/0.37	1.11	0.6	1.0	25.2	1.8	29.0	1.5	1480
15T	0.75	7/0.37	1.11	0.6	1.2	28.6	1.9	32.7	1.6	1870
16T	0.75	7/0.37	1.11	0.6	1.2	28.6	1.9	32.7	1.6	1920
24T	0.75	7/0.37	1.11	0.6	1.2	35.7	2.2	40.4	2.0	2960
32T	0.75	7/0.37	1.11	0.6	1.4	40.0	2.4	45.1	2.3	3830
1Q	0.75	7/0.37	1.11	0.6	1.0	9.2	1.2	11.8	0.6	170
2Q	0.75	7/0.37	1.11	0.6	1.0	14.6	1.4	17.6	0.9	460
3Q	0.75	7/0.37	1.11	0.6	1.0	15.1	1.4	18.1	0.9	530
4Q	0.75	7/0.37	1.11	0.6	1.0	17.1	1.5	20.3	1.0	680
7Q	0.75	7/0.37	1.11	0.6	1.0	21.8	1.7	25.4	1.3	1100
8Q	0.75	7/0.37	1.11	0.6	1.0	22.6	1.7	26.3	1.3	1200
12Q	0.75	7/0.37	1.11	0.6	1.2	28.2	1.9	32.3	1.6	1820
15Q	0.75	7/0.37	1.11	0.6	1.2	31.6	2.1	36.1	1.8	2290

Table 3 : 250V - BFXU(I),BFXB(I) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1.5	7/0.53	1.59	0.7	1.0	9.4	1.2	12.0	0.6	200
2P	1.5	7/0.53	1.59	0.7	1.0	14.6	1.4	17.6	0.9	430
3P	1.5	7/0.53	1.59	0.7	1.0	15.9	1.4	18.9	0.9	530
4P	1.5	7/0.53	1.59	0.7	1.0	17.7	1.5	20.9	1.0	660
5P	1.5	7/0.53	1.59	0.7	1.0	19.4	1.6	22.8	1.1	790
6P	1.5	7/0.53	1.59	0.7	1.0	21.3	1.7	25.0	1.2	950
7P	1.5	7/0.53	1.59	0.7	1.0	22.1	1.7	25.8	1.3	1040
8P	1.5	7/0.53	1.59	0.7	1.0	23.2	1.7	26.9	1.3	1150
10P	1.5	7/0.53	1.59	0.7	1.0	25.7	1.8	29.5	1.5	1400
12P	1.5	7/0.53	1.59	0.7	1.0	26.5	1.9	30.6	1.5	1570
16P	1.5	7/0.53	1.59	0.7	1.2	31.5	2.1	36.0	1.8	2160
20P	1.5	7/0.53	1.59	0.7	1.2	34.3	2.2	39.1	2.0	2610
24P	1.5	7/0.53	1.59	0.7	1.4	38.9	2.4	44.1	2.2	3290
32P	1.5	7/0.53	1.59	0.7	1.4	43.2	2.5	48.5	2.4	4160
1T	1.5	7/0.53	1.59	0.7	1.0	9.9	1.2	12.5	0.6	200
2T	1.5	7/0.53	1.59	0.7	1.0	15.8	1.4	18.9	0.9	510
3T	1.5	7/0.53	1.59	0.7	1.0	16.4	1.5	19.6	1.0	600
4T	1.5	7/0.53	1.59	0.7	1.0	18.6	1.5	21.9	1.1	760
7T	1.5	7/0.53	1.59	0.7	1.0	23.8	1.8	27.6	1.4	1250
8T	1.5	7/0.53	1.59	0.7	1.0	24.7	1.8	28.6	1.4	1370
12T	1.5	7/0.53	1.59	0.7	1.2	30.8	2.0	35.1	1.8	2080
15T	1.5	7/0.53	1.59	0.7	1.2	34.5	2.2	39.3	2.0	2610
16T	1.5	7/0.53	1.59	0.7	1.2	34.5	2.2	39.3	2.0	2670
24T	1.5	7/0.53	1.59	0.7	1.4	43.7	2.5	49.1	2.5	4170
32T	1.5	7/0.53	1.59	0.7	1.6	48.9	2.8	54.9	2.7	5390
1Q	1.5	7/0.53	1.59	0.7	1.0	10.8	1.2	13.4	0.7	230
2Q	1.5	7/0.53	1.59	0.7	1.0	17.4	1.5	20.7	1.0	620
3Q	1.5	7/0.53	1.59	0.7	1.0	18.0	1.5	21.3	1.1	720
4Q	1.5	7/0.53	1.59	0.7	1.0	20.5	1.6	24.0	1.2	920
7Q	1.5	7/0.53	1.59	0.7	1.0	26.3	1.9	30.3	1.5	1530
8Q	1.5	7/0.53	1.59	0.7	1.2	27.7	1.9	31.8	1.6	1700
12Q	1.5	7/0.53	1.59	0.7	1.2	34.1	2.2	38.8	1.9	2560
15Q	1.5	7/0.53	1.59	0.7	1.4	38.6	2.3	43.6	2.2	3230

Table 2 : 250V - BFXU(I),BFXB(I) 1.0SQ

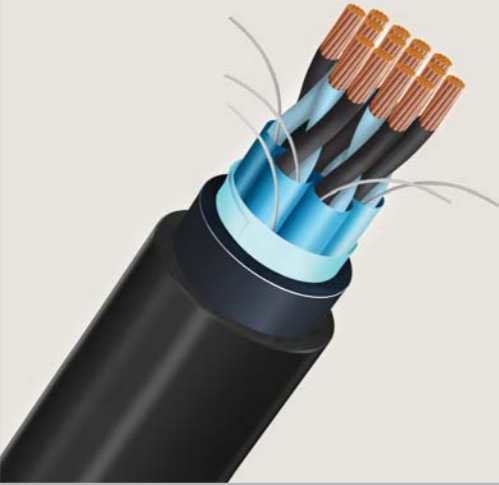
NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1	7/0.43	1.29	0.6	1.0	8.4	1.1	10.8	0.5	160
2P	1	7/0.43	1.29	0.6	1.0	12.9	1.3	15.7	0.8	340
3P	1	7/0.43	1.29	0.6	1.0	14.0	1.4	17.1	0.9	430
4P	1	7/0.43	1.29	0.6	1.0	15.6	1.4	18.6	0.9	520
5P	1	7/0.43	1.29	0.6	1.0	17.0	1.5	20.3	1.0	620
6P	1	7/0.43	1.29	0.6	1.0	18.7	1.5	21.9	1.1	740
7P	1	7/0.43	1.29	0.6	1.0	19.4	1.6	22.8	1.1	810
8P	1	7/0.43	1.29	0.6	1.0	20.3	1.6	23.8	1.2	900
10P	1	7/0.43	1.29	0.6	1.0	22.4	1.7	26.1	1.3	1100
12P	1	7/0.43	1.29	0.6	1.0	23.2	1.7	26.9	1.3	1210
16P	1	7/0.43	1.29	0.6	1.2	27.5	1.9	31.6	1.6	1680
20P	1	7/0.43	1.29	0.6	1.2	30.0	2.0	34.3	1.7	2020
24P	1	7/0.43	1.29	0.6	1.2	33.6	2.1	38.1	1.9	2500
32P	1	7/0.43	1.29	0.6	1.2	37.2	2.3	42.2	2.1	3190
1T	1	7/0.43	1.29	0.6	1.0	8.8	1.2	11.4	0.6	160
2T	1	7/0.43	1.29	0.6	1.0	14.0	1.4	17.0	0.9	410
3T	1	7/0.43	1.29	0.6	1.0	14.5	1.4	17.5	0.9	470
4T	1	7/0.43	1.29	0.6	1.0	16.4	1.5	19.6	1.0	600
7T	1	7/0.43	1.29	0.6	1.0	20.8	1.6	24.3	1.2	960
8T	1	7/0.43	1.29	0.6	1.0	21.6	1.7	25.3	1.3	1060
12T	1	7/0.43	1.29	0.6	1.0	26.5	1.9	30.6	1.5	1580
15T	1	7/0.43	1.29	0.6	1.2	30.1	2.0	34.4	1.7	2000
16T	1	7/0.43	1.29	0.6	1.2	30.1	2.0	34.4	1.7	2050
24T	1	7/0.43	1.29	0.6	1.4	38.1	2.3	43.0	2.2	3210
32T	1	7/0.43	1.29	0.6	1.4	42.2	2.5	47.5	2.4	4090
1Q	1	7/0.43	1.29	0.6	1.0	9.6	1.2	12.2	0.6	190
2Q	1	7/0.43	1.29	0.6	1.0	15.3	1.4	18.4	0.9	490
3Q	1	7/0.43	1.29	0.6	1.0	15.9	1.4	18.9	0.9	560
4Q	1	7/0.43	1.29	0.6	1.0	18.0	1.5	21.2	1.1	720
7Q	1	7/0.43	1.29	0.6	1.0	22.9	1.7	26.6	1.3	1160
8Q	1	7/0.43	1.29	0.6	1.0	23.8	1.8	27.7	1.4	1290
12Q	1	7/0.43	1.29	0.6	1.2	29.7	2.0	34.0	1.7	1950
15Q	1	7/0.43	1.29	0.6	1.2	33.3	2.1	37.8	1.9	2430

Table 4 : 250V - BFXU(I),BFXB(I) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	2.5	7/0.67	2.01	0.7	1.0	10.2	1.2	12.8	0.6	240
2P	2.5	7/0.67	2.01	0.7	1.0	16.0	1.4	19.0	1.0	520
3P	2.5	7/0.67	2.01	0.7	1.0	17.4	1.5	20.7	1.0	650
4P	2.5	7/0.67	2.01	0.7	1.0	19.4	1.6	22.2	1.1	810
5P	2.5	7/0.67	2.01	0.7	1.0	21.3	1.7	25.0	1.2	990
6P	2.5	7/0.67	2.01	0.7	1.0	23.5	1.7	27.1	1.4	1170
7P	2.5	7/0.67	2.01	0.7	1.0	24.4	1.8	28.2	1.4	1300
8P	2.5	7/0.67	2.01	0.7	1.0	25.6	1.8	29.5	1.5	1430
10P	2.5	7/0.67	2.01	0.7	1.2	28.7	1.9	32.8	1.6	1790
12P	2.5	7/0.67	2.01	0.7	1.2	29.7	2.0	34.0	1.7	2000
16P	2.5	7/0.67	2.01	0.7	1.2	34.8	2.2	39.5	2.0	2710
20P	2.5	7/0.67	2.01	0.7	1.4	38.3	2.3	43.3	2.2	3320
24P	2.5	7/0.67	2.01	0.7	1.4	43.0	2.5	48.4	2.4	4120
32P	2.5	7/0.67	2.01	0.7	1.4	47.7	2.7	53.5	2.7	5250
1T	2.5	7/0.67	2.01	0.7	1.0	10.8	1.2	13.4	0.7	240
2T	2.5	7/0.67	2.01	0.7	1.0	17.4	1.5	20.6	1.0	640
3T	2.5	7/0.67	2.01	0.7	1.0	18.0	1.5	21.3	1.1	740
4T	2.5	7/0.67	2.01	0.7	1.0	20.5	1.6	23.9	1.2	960
7T	2.5	7/0.67	2.01	0.7	1.0	26.2	1.8	30.1	1.5	1570
8T	2.5	7/0.67	2.01	0.7	1.2	27.7	1.9	31.8	1.6	1770
12T	2.5	7/0.67	2.01	0.7	1.2	34.0	2.2	38.7	1.9	2650
15T	2.5	7/0.67	2.01	0.7	1.4	38.6	2.3	43.5	2.2	3350
16T	2.5	7/0.67	2.01	0.7	1.4	38.6	2.3	43.5	2.2	3440
24T	2.5	7/0.67	2.01	0.7	1.6	48.8	2.8	54.7	2.7	5400
32T	2.5	7/0.67	2.01	0.7	1.6	54.1	3.0	60.5	3.0	6880
1Q	2.5	7/0.67	2.01	0.7	1.0	11.8	1.3	14.7	0.7	290
2Q	2.5	7/0.67	2.01	0.7	1.0	19.2	1.6	22.6	1.1	

NEK606 Type Cable 250V - RFXU(I/C),RFXB(I/C)

250V - RFXU(I/C),RFXB(I/C)



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RFXU(I/C) 7P X 2.5SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... Copper/polyester or Aluminium/polyester with drain wire
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
*If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1-1 : 250V - RFXU(I/C),RFXB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1P	0.75	7/0.37	1.11	0.6	1.0	7.0	1.1	9.5	0.5	120
2P	0.75	7/0.37	1.11	0.6	1.0	10.7	1.2	13.3	0.7	250
3P	0.75	7/0.37	1.11	0.6	1.0	11.6	1.3	14.5	0.7	310
4P	0.75	7/0.37	1.11	0.6	1.0	12.8	1.3	15.7	0.8	370
5P	0.75	7/0.37	1.11	0.6	1.0	14.0	1.4	17.0	0.9	450
6P	0.75	7/0.37	1.11	0.6	1.0	15.3	1.4	18.4	0.9	520
7P	0.75	7/0.37	1.11	0.6	1.0	15.9	1.4	18.9	0.9	570
8P	0.75	7/0.37	1.11	0.6	1.0	16.6	1.5	19.9	1.0	640
10P	0.75	7/0.37	1.11	0.6	1.0	18.3	1.5	21.6	1.1	770
12P	0.75	7/0.37	1.11	0.6	1.0	18.9	1.6	22.4	1.1	860
16P	0.75	7/0.37	1.11	0.6	1.0	22.1	1.7	25.7	1.3	1150
20P	0.75	7/0.37	1.11	0.6	1.0	24.0	1.8	27.9	1.4	1390
24P	0.75	7/0.37	1.11	0.6	1.0	26.9	1.9	31.0	1.5	1720
32P	0.75	7/0.37	1.11	0.6	1.2	30.2	2.0	34.5	1.7	2220

Table 1-2 : 250V - RFXU(I/C),RFXB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1T	0.75	7/0.37	1.11	0.6	1.0	7.4	1.1	9.8	0.5	110
2T	0.75	7/0.37	1.11	0.6	1.0	11.6	1.3	14.4	0.7	300
3T	0.75	7/0.37	1.11	0.6	1.0	12.0	1.3	14.8	0.7	340
4T	0.75	7/0.37	1.11	0.6	1.0	13.5	1.3	16.3	0.8	420
7T	0.75	7/0.37	1.11	0.6	1.0	17.0	1.5	20.2	1.0	670
8T	0.75	7/0.37	1.11	0.6	1.0	17.6	1.5	20.9	1.0	730
12T	0.75	7/0.37	1.11	0.6	1.0	21.6	1.7	25.2	1.3	1090
15T	0.75	7/0.37	1.11	0.6	1.0	24.1	1.8	28.0	1.4	1360
16T	0.75	7/0.37	1.11	0.6	1.0	24.1	1.8	28.0	1.4	1390
24T	0.75	7/0.37	1.11	0.6	1.2	30.5	2.0	34.8	1.7	2170
32T	0.75	7/0.37	1.11	0.6	1.2	33.8	2.2	38.5	1.9	2770
1Q	0.75	7/0.37	1.11	0.6	1.0	8.0	1.1	10.4	0.5	130
2Q	0.75	7/0.37	1.11	0.6	1.0	12.6	1.3	15.5	0.8	340
3Q	0.75	7/0.37	1.11	0.6	1.0	13.1	1.3	15.9	0.8	390
4Q	0.75	7/0.37	1.11	0.6	1.0	14.7	1.4	17.8	0.9	500
7Q	0.75	7/0.37	1.11	0.6	1.0	18.7	1.5	21.9	1.1	790
8Q	0.75	7/0.37	1.11	0.6	1.0	19.4	1.6	22.8	1.1	880
12Q	0.75	7/0.37	1.11	0.6	1.0	23.7	1.7	27.4	1.4	1290
15Q	0.75	7/0.37	1.11	0.6	1.0	26.6	1.9	30.7	1.5	1630

Table 2 : 250V - RFXU(I/C),RFXB(I/C) 1.0SQ

NO. of pairs or triads	Conductor			Insulation thickness	Inner covering thickness	Diameter over inner covering	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.							
	mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1P	1	7/0.43	1.29	0.6	1.0	7.4	1.1	9.8	0.5	130
2P	1	7/0.43	1.29	0.6	1.0	11.3	1.3	14.1	0.7	280
3P	1	7/0.43	1.29	0.6	1.0	12.3	1.3	15.1	0.8	340
4P	1	7/0.43	1.29	0.6	1.0	13.6	1.3	16.4	0.8	420
5P	1	7/0.43	1.29	0.6	1.0	14.8	1.4	17.9	0.9	500
6P	1	7/0.43	1.29	0.6	1.0	16.3	1.5	19.5	1.0	600
7P	1	7/0.43	1.29	0.6	1.0	16.8	1.5	20.1	1.0	650
8P	1	7/0.43	1.29	0.6	1.0	17.7	1.5	20.9	1.0	720
10P	1	7/0.43	1.29	0.6	1.0	19.5	1.6	22.9	1.1	880
12P	1	7/0.43	1.29	0.6	1.0	20.1	1.6	23.6	1.2	970
16P	1	7/0.43	1.29	0.6	1.0	23.5	1.7	27.1	1.4	1300
20P	1	7/0.43	1.29	0.6	1.0	25.5	1.8	29.4	1.5	1580
24P	1	7/0.43	1.29	0.6	1.2	29.0	2.0	33.3	1.7	2000
32P	1	7/0.43	1.29	0.6	1.2	32.1	2.1	36.6	1.8	2540
1T	1	7/0.43	1.29	0.6	1.0	7.8	1.1	10.2	0.5	130
2T	1	7/0.43	1.29	0.6	1.0	12.2	1.3	15.1	0.8	330
3T	1	7/0.43	1.29	0.6	1.0	12.6	1.3	15.5	0.8	380
4T	1	7/0.43	1.29	0.6	1.0	14.3	1.4	17.3	0.9	480
7T	1	7/0.43	1.29	0.6	1.0	18.0	1.5	21.3	1.1	760
8T	1	7/0.43	1.29	0.6	1.0	18.7	1.5	22.0	1.1	830
12T	1	7/0.43	1.29	0.6	1.0	22.9	1.7	26.6	1.3	1240
15T	1	7/0.43	1.29	0.6	1.0	25.7	1.8	29.5	1.5	1550
16T	1	7/0.43	1.29	0.6	1.0	25.7	1.8	29.5	1.5	1590
24T	1	7/0.43	1.29	0.6	1.2	32.5	2.1	37.0	1.9	2500
32T	1	7/0.43	1.29	0.6	1.2	36.0	2.2	40.7	2.0	3170
1Q	1	7/0.43	1.29	0.6	1.0	8.5	1.1	10.9	0.5	140
2Q	1	7/0.43	1.29	0.6	1.0	13.4	1.3	16.2	0.8	390
3Q	1	7/0.43	1.29	0.6	1.0	13.8	1.4	16.9	0.8	450
4Q	1	7/0.43	1.29	0.6	1.0	15.6	1.4	18.7	0.9	570
7Q	1	7/0.43	1.29	0.6	1.0	19.8	1.6	23.3	1.2	920
8Q	1	7/0.43	1.29	0.6	1.0	20.6	1.6	24.1	1.2	1010
12Q	1	7/0.43	1.29	0.6	1.0	25.3	1.8	29.2	1.5	1500
15Q	1	7/0.43	1.29	0.6	1.2	28.7	1.9	32.8	1.6	1910

NEK606 Type Cable
250V - RFXU(I/C),RFXB(I/C)

NEK606 Type Cable
250V - RFXU(I/C),RFXB(I/C)

Table 3 : 250V - RFXU(I/C),RFXB(I/C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1.5	7/0.53	1.59	0.7	1.0	8.4	1.1	10.8	0.5	160
2P	1.5	7/0.53	1.59	0.7	1.0	13.0	1.3	15.8	0.8	360
3P	1.5	7/0.53	1.59	0.7	1.0	14.2	1.4	17.2	0.9	440
4P	1.5	7/0.53	1.59	0.7	1.0	15.7	1.4	18.7	0.9	540
5P	1.5	7/0.53	1.59	0.7	1.0	17.2	1.5	20.4	1.0	650
6P	1.5	7/0.53	1.59	0.7	1.0	18.9	1.6	22.3	1.1	780
7P	1.5	7/0.53	1.59	0.7	1.0	19.6	1.6	23.0	1.2	850
8P	1.5	7/0.53	1.59	0.7	1.0	20.5	1.6	24.0	1.2	940
10P	1.5	7/0.53	1.59	0.7	1.0	22.7	1.7	26.3	1.3	1150
12P	1.5	7/0.53	1.59	0.7	1.0	23.4	1.7	27.1	1.4	1280
16P	1.5	7/0.53	1.59	0.7	1.2	27.8	1.9	31.9	1.6	1770
20P	1.5	7/0.53	1.59	0.7	1.2	30.3	2.0	34.6	1.7	2130
24P	1.5	7/0.53	1.59	0.7	1.2	34.0	2.2	38.7	1.9	2650
32P	1.5	7/0.53	1.59	0.7	1.4	38.0	2.3	43.0	2.1	3410
1T	1.5	7/0.53	1.59	0.7	1.0	8.9	1.2	11.5	0.6	160
2T	1.5	7/0.53	1.59	0.7	1.0	14.1	1.4	17.1	0.9	430
3T	1.5	7/0.53	1.59	0.7	1.0	14.6	1.4	17.6	0.9	500
4T	1.5	7/0.53	1.59	0.7	1.0	16.5	1.5	19.8	1.0	630
7T	1.5	7/0.53	1.59	0.7	1.0	21.0	1.6	24.5	1.2	1020
8T	1.5	7/0.53	1.59	0.7	1.0	21.8	1.7	25.5	1.3	1120
12T	1.5	7/0.53	1.59	0.7	1.0	26.8	1.9	30.9	1.5	1680
15T	1.5	7/0.53	1.59	0.7	1.2	30.5	2.0	34.8	1.7	2120
16T	1.5	7/0.53	1.59	0.7	1.2	30.5	2.0	34.8	1.7	2180
24T	1.5	7/0.53	1.59	0.7	1.4	38.5	2.3	43.5	2.2	3400
32T	1.5	7/0.53	1.59	0.7	1.4	42.7	2.5	48.0	2.4	4340
1Q	1.5	7/0.53	1.59	0.7	1.0	9.7	1.2	12.3	0.6	190
2Q	1.5	7/0.53	1.59	0.7	1.0	15.5	1.4	18.5	0.9	510
3Q	1.5	7/0.53	1.59	0.7	1.0	16.0	1.4	19.0	1.0	590
4Q	1.5	7/0.53	1.59	0.7	1.0	18.2	1.5	21.4	1.1	760
7Q	1.5	7/0.53	1.59	0.7	1.0	23.2	1.7	26.8	1.3	1240
8Q	1.5	7/0.53	1.59	0.7	1.0	24.1	1.8	28.0	1.4	1370
12Q	1.5	7/0.53	1.59	0.7	1.2	30.0	2.0	34.3	1.7	2080
15Q	1.5	7/0.53	1.59	0.7	1.2	33.7	2.1	38.2	1.9	2590

Table 4 : 250V - RFXU(I/C),RFXB(I/C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	2.5	7/0.67	2.01	0.7	1.0	9.3	1.2	11.9	0.6	200
2P	2.5	7/0.67	2.01	0.7	1.0	14.4	1.4	17.4	0.9	450
3P	2.5	7/0.67	2.01	0.7	1.0	15.7	1.4	18.7	0.9	550
4P	2.5	7/0.67	2.01	0.7	1.0	17.5	1.5	20.7	1.0	680
5P	2.5	7/0.67	2.01	0.7	1.0	19.1	1.6	22.6	1.1	830
6P	2.5	7/0.67	2.01	0.7	1.0	21.0	1.6	24.5	1.2	980
7P	2.5	7/0.67	2.01	0.7	1.0	21.8	1.7	25.5	1.3	1090
8P	2.5	7/0.67	2.01	0.7	1.0	22.9	1.7	26.6	1.3	1200
10P	2.5	7/0.67	2.01	0.7	1.0	25.3	1.8	29.2	1.5	1480
12P	2.5	7/0.67	2.01	0.7	1.0	26.2	1.8	30.1	1.5	1640
16P	2.5	7/0.67	2.01	0.7	1.2	31.1	2.0	35.4	1.8	2260
20P	2.5	7/0.67	2.01	0.7	1.2	33.9	2.2	38.6	1.9	2760
24P	2.5	7/0.67	2.01	0.7	1.4	38.4	2.3	43.4	2.2	3440
32P	2.5	7/0.67	2.01	0.7	1.4	42.6	2.5	47.9	2.4	4390
1T	2.5	7/0.67	2.01	0.7	1.0	9.8	1.2	12.4	0.6	200
2T	2.5	7/0.67	2.01	0.7	1.0	15.7	1.4	18.7	0.9	530
3T	2.5	7/0.67	2.01	0.7	1.0	16.2	1.4	19.2	1.0	620
4T	2.5	7/0.67	2.01	0.7	1.0	18.4	1.5	21.6	1.1	800
7T	2.5	7/0.67	2.01	0.7	1.0	23.5	1.7	27.1	1.4	1320
8T	2.5	7/0.67	2.01	0.7	1.0	24.4	1.8	28.3	1.4	1460
12T	2.5	7/0.67	2.01	0.7	1.2	30.4	2.0	34.7	1.7	2210
15T	2.5	7/0.67	2.01	0.7	1.2	34.1	2.2	38.8	1.9	2780
16T	2.5	7/0.67	2.01	0.7	1.2	34.1	2.2	38.8	1.9	2850
24T	2.5	7/0.67	2.01	0.7	1.4	43.2	2.5	48.5	2.4	4440
32T	2.5	7/0.67	2.01	0.7	1.6	48.2	2.7	54.0	2.7	5730
1Q	2.5	7/0.67	2.01	0.7	1.0	10.7	1.2	13.3	0.7	240
2Q	2.5	7/0.67	2.01	0.7	1.0	17.2	1.5	20.5	1.0	650
3Q	2.5	7/0.67	2.01	0.7	1.0	17.8	1.5	21.1	1.1	760
4Q	2.5	7/0.67	2.01	0.7	1.0	20.3	1.6	23.7	1.2	980
7Q	2.5	7/0.67	2.01	0.7	1.0	25.9	1.8	29.8	1.5	1620
8Q	2.5	7/0.67	2.01	0.7	1.0	27.0	1.9	31.0	1.6	1800
12Q	2.5	7/0.67	2.01	0.7	1.2	33.6	2.1	38.1	1.9	2720
15Q	2.5	7/0.67	2.01	0.7	1.4	38.1	2.3	43.1	2.2	3460

250V - BFXU(I/C),BFXB(I/C)



Voltage Rating

■ 250V

Maximum Conductor Temperature

■ 90°C

Applied Standards

■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification

■ Insulation Pair : Black, Light blue with pair number
 Triad : Black, Light blue, Brown with triad number
 Quad : Black, Light blue, Brown, Red with quad number
 ■ Outer Sheath Customer Requirement

Cable Marking

■ Ex. 250V BFXU(I/C) 7P X 2.5SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... Copper/polyester or Aluminium/polyester with drain wire
- Binder tape If necessary
- Inner covering Halogen free compound (or tapping)
 *If necessary, separator tape under and/or over inner covering
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen Copper/polyester or Aluminium/polyester with drain wire
- Armor N/A

Table 1-1 : 250V - BFXU(I/C),BFXB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	0.75	7/0.37	1.11	0.6	1.0	8.0	1.1	10.4	0.5	140
2P	0.75	7/0.37	1.11	0.6	1.0	12.3	1.3	15.1	0.8	320
3P	0.75	7/0.37	1.11	0.6	1.0	13.4	1.3	16.2	0.8	390
4P	0.75	7/0.37	1.11	0.6	1.0	14.8	1.4	17.8	0.9	490
5P	0.75	7/0.37	1.11	0.6	1.0	16.2	1.4	19.2	1.0	580
6P	0.75	7/0.37	1.11	0.6	1.0	17.8	1.5	21.0	1.0	690
7P	0.75	7/0.37	1.11	0.6	1.0	18.4	1.5	21.7	1.1	760
8P	0.75	7/0.37	1.11	0.6	1.0	19.3	1.6	22.8	1.1	850
10P	0.75	7/0.37	1.11	0.6	1.0	21.3	1.7	25.0	1.2	1030
12P	0.75	7/0.37	1.11	0.6	1.0	22.0	1.7	25.7	1.3	1140
16P	0.75	7/0.37	1.11	0.6	1.0	25.7	1.8	29.6	1.5	1540
20P	0.75	7/0.37	1.11	0.6	1.2	28.4	1.9	32.5	1.6	1890
24P	0.75	7/0.37	1.11	0.6	1.2	31.9	2.1	36.4	1.8	2350
32P	0.75	7/0.37	1.11	0.6	1.2	35.3	2.2	40.0	2.0	2990

NEK606 Type Cable

250V - RFXU(I/C),RFXB(I/C)

Table 1-2 : 250V - BFXU(I/C),BFXB(I/C) 0.75SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1T	0.75	7/0.37	1.11	0.6	1.0	8.4	1.1	10.8	0.5	140
2T	0.75	7/0.37	1.11	0.6	1.0	13.3	1.3	16.1	0.8	380
3T	0.75	7/0.37	1.11	0.6	1.0	13.8	1.4	16.8	0.8	450
4T	0.75	7/0.37	1.11	0.6	1.0	15.6	1.4	18.6	0.9	560
7T	0.75	7/0.37	1.11	0.6	1.0	19.7	1.6	23.2	1.2	910
8T	0.75	7/0.37	1.11	0.6	1.0	20.5	1.6	24.0	1.2	990
12T	0.75	7/0.37	1.11	0.6	1.0	25.2	1.8	29.0	1.5	1480
15T	0.75	7/0.37	1.11	0.6	1.2	28.6	1.9	32.7	1.6	1870
16T	0.75	7/0.37	1.11	0.6	1.2	28.6	1.9	32.7	1.6	1920
24T	0.75	7/0.37	1.11	0.6	1.2	35.7	2.2	40.4	2.0	2960
32T	0.75	7/0.37	1.11	0.6	1.4	40.0	2.4	45.1	2.3	3830
1Q	0.75	7/0.37	1.11	0.6	1.0	9.2	1.2	11.8	0.6	170
2Q	0.75	7/0.37	1.11	0.6	1.0	14.6	1.4	17.6	0.9	460
3Q	0.75	7/0.37	1.11	0.6	1.0	15.1	1.4	18.1	0.9	530
4Q	0.75	7/0.37	1.11	0.6	1.0	17.1	1.5	20.3	1.0	680
7Q	0.75	7/0.37	1.11	0.6	1.0	21.8	1.7	25.4	1.3	1100
8Q	0.75	7/0.37	1.11	0.6	1.0	22.6	1.7	26.3	1.3	1200
12Q	0.75	7/0.37	1.11	0.6	1.2	28.2	1.9	32.3	1.6	1820
15Q	0.75	7/0.37	1.11	0.6	1.2	31.6	2.1	36.1	1.8	2290

Table 3 : 250V - BFXU(I/C),BFXB(I/C) 1.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1.5	7/0.53	1.59	0.7	1.0	9.4	1.2	12.0	0.6	200
2P	1.5	7/0.53	1.59	0.7	1.0	14.6	1.4	17.6	0.9	430
3P	1.5	7/0.53	1.59	0.7	1.0	15.9	1.4	18.9	0.9	530
4P	1.5	7/0.53	1.59	0.7	1.0	17.7	1.5	20.9	1.0	660
5P	1.5	7/0.53	1.59	0.7	1.0	19.4	1.6	22.8	1.1	790
6P	1.5	7/0.53	1.59	0.7	1.0	21.3	1.7	25.0	1.2	950
7P	1.5	7/0.53	1.59	0.7	1.0	22.1	1.7	25.8	1.3	1040
8P	1.5	7/0.53	1.59	0.7	1.0	23.2	1.7	26.9	1.3	1150
10P	1.5	7/0.53	1.59	0.7	1.0	25.7	1.8	29.5	1.5	1400
12P	1.5	7/0.53	1.59	0.7	1.0	26.5	1.9	30.6	1.5	1570
16P	1.5	7/0.53	1.59	0.7	1.2	31.5	2.1	36.0	1.8	2160
20P	1.5	7/0.53	1.59	0.7	1.2	34.3	2.2	39.1	2.0	2610
24P	1.5	7/0.53	1.59	0.7	1.4	38.9	2.4	44.1	2.2	3290
32P	1.5	7/0.53	1.59	0.7	1.4	43.2	2.5	48.5	2.4	4160
1T	1.5	7/0.53	1.59	0.7	1.0	9.9	1.2	12.5	0.6	200
2T	1.5	7/0.53	1.59	0.7	1.0	15.8	1.4	18.9	0.9	510
3T	1.5	7/0.53	1.59	0.7	1.0	16.4	1.5	19.6	1.0	600
4T	1.5	7/0.53	1.59	0.7	1.0	18.6	1.5	21.9	1.1	760
7T	1.5	7/0.53	1.59	0.7	1.0	23.8	1.8	27.6	1.4	1250
8T	1.5	7/0.53	1.59	0.7	1.0	24.7	1.8	28.6	1.4	1370
12T	1.5	7/0.53	1.59	0.7	1.2	30.8	2.0	35.1	1.8	2080
15T	1.5	7/0.53	1.59	0.7	1.2	34.5	2.2	39.3	2.0	2610
16T	1.5	7/0.53	1.59	0.7	1.2	34.5	2.2	39.3	2.0	2670
24T	1.5	7/0.53	1.59	0.7	1.4	43.7	2.5	49.1	2.5	4170
32T	1.5	7/0.53	1.59	0.7	1.6	48.9	2.8	54.9	2.7	5390
1Q	1.5	7/0.53	1.59	0.7	1.0	10.8	1.2	13.4	0.7	230
2Q	1.5	7/0.53	1.59	0.7	1.0	17.4	1.5	20.7	1.0	620
3Q	1.5	7/0.53	1.59	0.7	1.0	18.0	1.5	21.3	1.1	720
4Q	1.5	7/0.53	1.59	0.7	1.0	20.5	1.6	24.0	1.2	920
7Q	1.5	7/0.53	1.59	0.7	1.0	26.3	1.9	30.3	1.5	1530
8Q	1.5	7/0.53	1.59	0.7	1.2	27.7	1.9	31.8	1.6	1700
12Q	1.5	7/0.53	1.59	0.7	1.2	34.1	2.2	38.8	1.9	2560
15Q	1.5	7/0.53	1.59	0.7	1.4	38.6	2.3	43.6	2.2	3230

Table 2 : 250V - BFXU(I/C),BFXB(I/C) 1.0SQ

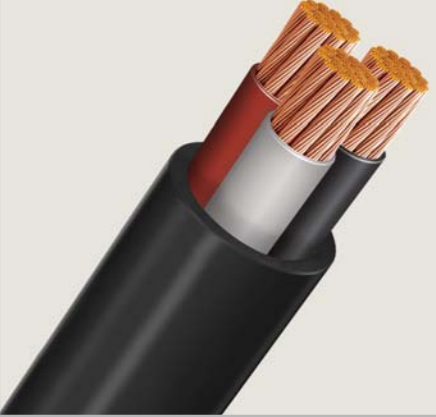
NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	1	7/0.43	1.29	0.6	1.0	8.4	1.1	10.8	0.5	160
2P	1	7/0.43	1.29	0.6	1.0	12.9	1.3	15.7	0.8	340
3P	1	7/0.43	1.29	0.6	1.0	14.0	1.4	17.1	0.9	430
4P	1	7/0.43	1.29	0.6	1.0	15.6	1.4	18.6	0.9	520
5P	1	7/0.43	1.29	0.6	1.0	17.0	1.5	20.3	1.0	620
6P	1	7/0.43	1.29	0.6	1.0	18.7	1.5	21.9	1.1	740
7P	1	7/0.43	1.29	0.6	1.0	19.4	1.6	22.8	1.1	810
8P	1	7/0.43	1.29	0.6	1.0	20.3	1.6	23.8	1.2	900
10P	1	7/0.43	1.29	0.6	1.0	22.4	1.7	26.1	1.3	1100
12P	1	7/0.43	1.29	0.6	1.0	23.2	1.7	26.9	1.3	1210
16P	1	7/0.43	1.29	0.6	1.2	27.5	1.9	31.6	1.6	1680
20P	1	7/0.43	1.29	0.6	1.2	30.0	2.0	34.3	1.7	2020
24P	1	7/0.43	1.29	0.6	1.2	33.6	2.1	38.1	1.9	2500
32P	1	7/0.43	1.29	0.6	1.2	37.2	2.3	42.2	2.1	3190
1T	1	7/0.43	1.29	0.6	1.0	8.8	1.2	11.4	0.6	160
2T	1	7/0.43	1.29	0.6	1.0	14.0	1.4	17.0	0.9	410
3T	1	7/0.43	1.29	0.6	1.0	14.5	1.4	17.5	0.9	470
4T	1	7/0.43	1.29	0.6	1.0	16.4	1.5	19.6	1.0	600
7T	1	7/0.43	1.29	0.6	1.0	20.8	1.6	24.3	1.2	960
8T	1	7/0.43	1.29	0.6	1.0	21.6	1.7	25.3	1.3	1060
12T	1	7/0.43	1.29	0.6	1.0	26.5	1.9	30.6	1.5	1580
15T	1	7/0.43	1.29	0.6	1.2	30.1	2.0	34.4	1.7	2000
16T	1	7/0.43	1.29	0.6	1.2	30.1	2.0	34.4	1.7	2050
24T	1	7/0.43	1.29	0.6	1.4	38.1	2.3	43.0	2.2	3210
32T	1	7/0.43	1.29	0.6	1.4	42.2	2.5	47.5	2.4	4090
1Q	1	7/0.43	1.29	0.6	1.0	9.6	1.2	12.2	0.6	190
2Q	1	7/0.43	1.29	0.6	1.0	15.3	1.4	18.4	0.9	490
3Q	1	7/0.43	1.29	0.6	1.0	15.9	1.4	18.9	0.9	560
4Q	1	7/0.43	1.29	0.6	1.0	18.0	1.5	21.2	1.1	720
7Q	1	7/0.43	1.29	0.6	1.0	22.9	1.7	26.6	1.3	1160
8Q	1	7/0.43	1.29	0.6	1.0	23.8	1.8	27.7	1.4	1290
12Q	1	7/0.43	1.29	0.6	1.2	29.7	2.0	34.0	1.7	1950
15Q	1	7/0.43	1.29	0.6	1.2	33.3	2.1	37.8	1.9	2430

Table 4 : 250V - BFXU(I/C),BFXB(I/C) 2.5SQ

NO. of pairs or triads	Conductor			Insulation thickness mm	Inner covering thickness mm	Diameter over inner covering mm	Sheath thickness mm	Overall diameter of cable mm	Tolerance (±) mm	Approx. cable weight kg/km
	Size	Const.	Dia.							
	mm ²	No./mm	mm							
1P	2.5	7/0.67	2.01	0.7	1.0	10.2	1.2	12.8	0.6	240
2P	2.5	7/0.67	2.01	0.7	1.0	16.0	1.4	19.0	1.0	520
3P	2.5	7/0.67	2.01	0.7	1.0	17.4	1.5	20.7	1.0	650
4P	2.5	7/0.67	2.01	0.7	1.0	19.4	1.6	22.9	1.1	810
5P	2.5	7/0.67	2.01	0.7	1.0	21.3	1.7	25.0	1.2	990
6P	2.5	7/0.67	2.01	0.7	1.0	23.5	1.7	27.1	1.4	1170
7P	2.5	7/0.67	2.01	0.7	1.0	24.4	1.8	28.2	1.4	1300
8P	2.5	7/0.67	2.01	0.7	1.0	25.6	1.8	29.5	1.5	1430
10P	2.5	7/0.67	2.01	0.7	1.2	28.7	1.9	32.8	1.6	1790
12P	2.5	7/0.67	2.01	0.7	1.2	29.7	2.0	34.0	1.7	2000
16P	2.5	7/0.67	2.01	0.7	1.2	34.8	2.2	39.5	2.0	2710
20P	2.5	7/0.67	2.01	0.7	1.4	38.3	2.3	43.3	2.2	3320
24P	2.5	7/0.67	2.01	0.7	1.4	43.0	2.5	48.4	2.4	4120
32P	2.5	7/0.67	2.01	0.7	1.4	47.7	2.7	53.5	2.7	5250
1T	2.5	7/0.67	2.01	0.7	1.0	10.8	1.2	13.4	0.7	240
2T	2.5	7/0.67	2.01	0.7	1.0	17.4	1.5	20.6	1.0	640
3T	2.5	7/0.67	2.01	0.7	1.0	18.0	1.5	21.3	1.1	740
4T	2.5	7/0.67	2.01	0.7	1.0	20.5	1.6	23.9	1.2	960
7T	2.5	7/0.67	2.01	0.7	1.0	26.2	1.8	30.1	1.5	1570
8T	2.5	7/0.67	2.01	0.7	1.2	27.7	1.9	31.8	1.6	1770
12T	2.5	7/0.67	2.01	0.7	1.2	34.0	2.2	38.7	1.9	2650
15T	2.5	7/0.67	2.01	0.7	1.4	38.6	2.3	43.5	2.2	3350
16T	2.5	7/0.67	2.01	0.7	1.4	38.6	2.3	43.5	2.2	3440
24T	2.5	7/0.67	2.01	0.7	1.6	48.8	2.8	54.7	2.7	5400
32T	2.5	7/0.67	2.01	0.7	1.6	54.1	3.0	60.5	3.0	6880
1Q	2.5	7/0.67	2.01	0.7	1.0	11.8	1.3	14.7	0.7	290
2Q	2.5	7/0.67	2.01	0.7	1.0	19.2	1.6	22.6		

NEK606 Type Cable 250V - RU,RB

250V - RU,RB



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2

Cable Identification
 ■ Insulation 2C : Gray, Black
 3C : Gray, Black, Red
 4C : Gray, Black, Red, Blue
 Multi Core : White with Core Number
 Earth : Green/Yellow
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V RU 3C X 120SQMM LS CABLE [year] IEC 60332-3A

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2 or Class 5
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2
- Fire proof layer N/A
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A

Table 1 : 250V - RU,RB 1.0SQ

No. of cores	Conductor			Insulation thickness	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.					
	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.6	1.0	7.6	0.4	90
4	1	7/0.43	1.29	0.6	1.1	8.9	0.4	140
7	1	7/0.43	1.29	0.6	1.1	10.4	0.5	210
9	1	7/0.43	1.29	0.6	1.2	12.2	0.6	270
12	1	7/0.43	1.29	0.6	1.2	13.5	0.7	350
14	1	7/0.43	1.29	0.6	1.3	14.4	0.7	400
19	1	7/0.43	1.29	0.6	1.3	15.9	0.8	510
23	1	7/0.43	1.29	0.6	1.4	17.7	0.9	630
27	1	7/0.43	1.29	0.6	1.4	19.0	1.0	730
33	1	7/0.43	1.29	0.6	1.5	20.7	1.0	880
37	1	7/0.43	1.29	0.6	1.5	21.4	1.1	960
44	1	7/0.43	1.29	0.6	1.6	24.2	1.2	1190

Table 2 : 250V - RU,RB 1.5SQ


No. of cores	Conductor			Insulation thickness	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.					
	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.1	8.9	0.4	110
4	1.5	7/0.53	1.59	0.7	1.1	10.1	0.5	160
7	1.5	7/0.53	1.59	0.7	1.2	12.1	0.6	240
9	1.5	7/0.53	1.59	0.7	1.3	14.2	0.7	330
12	1.5	7/0.53	1.59	0.7	1.3	15.9	0.8	410
14	1.5	7/0.53	1.59	0.7	1.4	16.9	0.8	470
19	1.5	7/0.53	1.59	0.7	1.4	18.7	0.9	600
23	1.5	7/0.53	1.59	0.7	1.5	20.8	1.0	740
27	1.5	7/0.53	1.59	0.7	1.6	22.6	1.1	870
33	1.5	7/0.53	1.59	0.7	1.6	24.3	1.2	1030
37	1.5	7/0.53	1.59	0.7	1.7	25.4	1.3	1140
44	1.5	7/0.53	1.59	0.7	1.8	28.7	1.4	1410

Table 3 : 250V - RU,RB 2.5SQ

No. of cores	Conductor			Insulation thickness	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.					
	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.1	9.7	0.5	120
4	2.5	7/0.67	2.01	0.7	1.2	11.3	0.6	180
7	2.5	7/0.67	2.01	0.7	1.2	13.4	0.7	270
9	2.5	7/0.67	2.01	0.7	1.3	15.7	0.8	360
12	2.5	7/0.67	2.01	0.7	1.4	17.8	0.9	470
14	2.5	7/0.67	2.01	0.7	1.4	18.7	0.9	520
19	2.5	7/0.67	2.01	0.7	1.5	21.0	1.0	670
23	2.5	7/0.67	2.01	0.7	1.6	23.3	1.2	830
27	2.5	7/0.67	2.01	0.7	1.7	25.4	1.3	980
33	2.5	7/0.67	2.01	0.7	1.7	27.3	1.4	1150
37	2.5	7/0.67	2.01	0.7	1.8	28.6	1.4	1260
44	2.5	7/0.67	2.01	0.7	1.9	32.3	1.6	1580

NEK606 Type Cable 250V - BU, BB

250V - BU, BB



Voltage Rating
■ 250V

Maximum Conductor Temperature
■ 90 °C

Applied Standards
 ■ NEK 606 3rd ■ IEC 60092-350, -351, -359, -376
 ■ IEC 60332-1, -3(Cat.A,A/F) ■ IEC 60754-1, -2
 ■ IEC 61034-1, -2 ■ IEC 60331

Cable Identification
 ■ Insulation 2C : Gray, Black
 3C : Gray, Black, Red
 4C : Gray, Black, Red, Blue
 Multi Core : White with Core Number
 Earth : Green/Yellow
 ■ Outer Sheath Customer Requirement

Cable Marking
 ■ Ex. 250V BU 3C X 120SQMM LS CABLE [year] IEC 60332-3A IEC 60331

*Cable Identification & Marking according to customer requirement can be applied primarily

Construction Detail

- Conductor Stranded Tinned copper, Class 2
- Separator If necessary
- Individual screen ... N/A
- Binder tape If necessary
- Sheath SHF2 to IEC 60092-359 or SHF2 Mud to IEC 60092-359 & NEK606 CLAUSE 4.1.2

- Fire proof layer MICA TAPE
- Insulation HF EPR to IEC 60092-351
- Filler If necessary
- Overall screen N/A

Table 1 : 250V - BU, BB 1.0SQ

No. of cores	Conductor			Insulation thickness	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.					
	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.6	1.1	8.8	0.4	110
4	1	7/0.43	1.29	0.6	1.1	10.0	0.5	170
7	1	7/0.43	1.29	0.6	1.2	12.0	0.6	260
9	1	7/0.43	1.29	0.6	1.3	14.1	0.7	350
12	1	7/0.43	1.29	0.6	1.3	15.7	0.8	440
14	1	7/0.43	1.29	0.6	1.3	16.5	0.8	500
19	1	7/0.43	1.29	0.6	1.4	18.5	0.9	650
23	1	7/0.43	1.29	0.6	1.5	20.6	1.0	790
27	1	7/0.43	1.29	0.6	1.6	22.4	1.1	930
33	1	7/0.43	1.29	0.6	1.6	24.0	1.2	1100
37	1	7/0.43	1.29	0.6	1.7	25.1	1.3	1220
44	1	7/0.43	1.29	0.6	1.8	28.4	1.4	1510

Table 2 : 250V - BU, BB 1.5SQ

No. of cores	Conductor			Insulation thickness	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.					
	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
2	1.5	7/0.53	1.59	0.7	1.1	9.8	0.5	130
4	1.5	7/0.53	1.59	0.7	1.2	11.5	0.6	200
7	1.5	7/0.53	1.59	0.7	1.2	13.5	0.7	300
9	1.5	7/0.53	1.59	0.7	1.3	15.9	0.8	400
12	1.5	7/0.53	1.59	0.7	1.4	18.0	0.9	520
14	1.5	7/0.53	1.59	0.7	1.4	18.9	0.9	580
19	1.5	7/0.53	1.59	0.7	1.5	21.2	1.1	750
23	1.5	7/0.53	1.59	0.7	1.6	23.6	1.2	930
27	1.5	7/0.53	1.59	0.7	1.7	25.7	1.3	1090
33	1.5	7/0.53	1.59	0.7	1.8	27.9	1.4	1300
37	1.5	7/0.53	1.59	0.7	1.8	28.9	1.4	1420
44	1.5	7/0.53	1.59	0.7	1.9	32.7	1.6	1770

Table 3 : 250V - BU, BB 2.5SQ

No. of cores	Conductor			Insulation thickness	Sheath thickness	Overall diameter of cable	Tolerance (±)	Approx. cable weight
	Size	Const.	Dia.					
	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
2	2.5	7/0.67	2.01	0.7	1.1	10.6	0.5	150
4	2.5	7/0.67	2.01	0.7	1.2	12.5	0.6	220
7	2.5	7/0.67	2.01	0.7	1.3	15.0	0.8	340
9	2.5	7/0.67	2.01	0.7	1.4	17.7	0.9	460
12	2.5	7/0.67	2.01	0.7	1.5	20.0	1.0	590
14	2.5	7/0.67	2.01	0.7	1.5	21.0	1.1	660
19	2.5	7/0.67	2.01	0.7	1.6	23.5	1.2	850
23	2.5	7/0.67	2.01	0.7	1.7	26.2	1.3	1050
27	2.5	7/0.67	2.01	0.7	1.8	28.5	1.4	1230
33	2.5	7/0.67	2.01	0.7	1.9	30.9	1.5	1470
37	2.5	7/0.67	2.01	0.7	1.9	32.1	1.6	1600
44	2.5	7/0.67	2.01	0.7	2.1	36.4	1.8	2020

1. Conductor resistance

Resistance Formula

$$R = \rho \frac{L}{A}$$

- R : Resistance in ohm per phase
- ρ : Specific resistance, $\frac{\text{ohm}\cdot\text{mm}^2}{\text{m}}$
- A : Conductor area, mm^2
- L : Conductor length, m

Resistance as a function of temperature

$$R = R_0 [1 + \alpha(t - 20)]$$

- R_0 : Resistance at $t = 20^\circ\text{C}$
- $\alpha = 0.00393$ for copper
- $\alpha = 0.00403$ for aluminium
- t : Conductor temperature, $^\circ\text{C}$

Conductor resistance and insulation resistance

Norminal conductor area	No. of wires and diameter of wires	Approx. diameter	Conductor resistance at 20 °C	Insulation resistance at 20 °C
mm ²	Nos./mm	mm	ohm/Km	Mohm/Km
0.75	7/0.37	1.11	24.8	[1210]
1	7/0.43	1.29	18.2	2110 [1090]
1.5	7/0.53	1.59	12.2	1040 [930]
2.5	7/0.67	2.01	7.56	870
4	7/0.85	2.5	4.7	750
6	7/1.04	3.12	3.11	630
10	7/1.35	4.05	1.84	510
16	7/1.7	5.1	1.16	430
25	7/2.14	6.47	0.734	430
35	19/2.52	7.66	0.529	370
50	19/1.78	9.18	0.391	370
70	19/2.14	10.86	0.27	340
95	19/2.52	12.66	0.195	300
120	37/2.03	14.24	0.154	290
150	37/2.25	15.92	1.126	300
185	37/2.52	17.69	0.1	300
240	61/2.25	20.16	0.0762	280
300	61/2.52	22.54	0.0607	260

Note. The value of [] are given for 250V EPR insulated cables

2. Current ratings

For power cables, the current ratings are given in the following table:

Conductor area	Single core			Two core		Three of Four core	
	mm ²	Amp		Amp		Amp	
1.5	23		20		16		
2.5	30		26		21		
4	40		34		28		
6	52		44		36		
10	72		61		50		
16	96		82		67		
25	127		108		89		
35	157		133		110		
50	196		167		137		
70	242		206		169		
95	293		249		205		
120	339		288		237		
150	389		331		272		
185	444		377		311		
240	522		444		365		
300	601		511		421		

The current ratings in Tables A.1 to B.5 are based on the nominal dimensions of 600/1000V cables. Current ratings for higher voltage cable, up to 15kV, may be up to about 5% lower than the tabulated values for LV cables.

For control cables, the current ratings are given by the following formula :

$$I = \frac{I_1}{\sqrt{N}}$$

- I_1 = Current for single core cable
- N = Number of cores

No. of cores	1mm ²
EA	Amp
2	13
4	10
7	8
12	7
19	6
27	6
37	5
44	4

(at 45 °C)

The tabled current ratings must be adjusted for ambient air temperature other than 45 °C. Appropriate rating factors are :

Ambient air temperature °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C	65 °C	70 °C	75 °C	80 °C	85 °C
Rating factors	1.10	1.05	1.00	0.94	0.88	0.82	0.74	0.67	0.58	0.47	-

Short circuit rating

The following short circuit current are for cables operating normally at a maximum conductor temperature of 90 °C. The theoretical temperature that arises in the conductor during a short circuit, which is used as a basis of the calculation, is 250 °C. EPR and HEPR-insulation are capable of withstanding short temperatures up to 250 °C. The short circuit currents for copper conductors given in the table are values for one second, for other durations the current may be calculated from the following formula.

$$I_t = \frac{I}{\sqrt{t}}$$

- I_t = short circuit current for t sec.[A]
- I = short circuit current for one sec.[A]
- t = short circuit duration[sec.]

Conductor area	Current One second amperes	Conductor area	Current One second amperes
mm ²		mm ²	
1.5	250	50	8450
2.5	420	70	11830
4	680	95	16060
6	1010	120	20280
10	1690	150	25350
16	2700	185	31270
25	4230	240	40560
35	5920	300	50700

The duration of the short circuit based on these assumptions should be between 0.2 sec. and 10 sec.

3. Reactance / Impedance

Reactance

Conductor area	mm ²	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Rating factors	Ω/km	0.315	0.125	0.117	0.111	0.103	0.098	0.097	0.094	0.094	0.091	0.090	0.088	0.088	0.088	0.088	0.087

The reactance of a cable operating in AC system depends on many factors, including, in particular, the axial spacing between conductors and proximity and magnetic properties of adjacent steelwork. The former is known for multicore cable, but may vary for single core cables depending upon the spacing between them and their disposition when installed.

Reactances of cables in certain dispositions remote from steelwork are calculable and are shown. The tabulated values are for cables with circular conductors. The value for a sector-shaped conductor should be taken as 90% of the tabulated value. The value of reactance so calculated is for a supply frequency of 60Hz. For any other frequency, a correction should be made in direct proportion to the frequency. For example at 50Hz, the reactance is 0.83 times that at 60Hz. Induction for 2-and 3-conductor cables is given by the formula :

$$L = 0.2 \times \left[\ln \left(\frac{2a}{d} \right) + 0.25 \right] \times 10^{-6}$$

- L = Inductance in H/m and phase
- a = Axial space between conductor
- d = Conductor diameter in mm

Reactance for 2-and 3-conductor cables is given by the formula:

$$X = 2 \times \pi \times f \times L \times I$$

- X = Reactance in ohm per phase
- f = Frequency in Hz
- L = Inductance in H/m and phase
- I = Conductor length in meter

NEK606Type Cable Technical Information

Impedance

Conductor area	mm ²	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Rating factors	Ω/km	15.557	9.641	5.994	3.967	2.348	1.482	0.941	0.681	0.507	0.356	0.265	0.215	0.183	0.155	0.131	0.116

Impedance for 2, 3 & 4 conductor cables is given by the formula:

$$Z = \sqrt{R^2 + X^2}$$

• Z = Impedance in ohm per phase
• R = Resistance at operating temp. in ohm per phase
• X = Reactance in ohm per phase

Installations temperature

Minimum recommended temperature of installations :

- 10 °C Ship wiring cable with SHF2 sheath
- 20 °C Elastomeric on/off shore cables

Installations pulling force

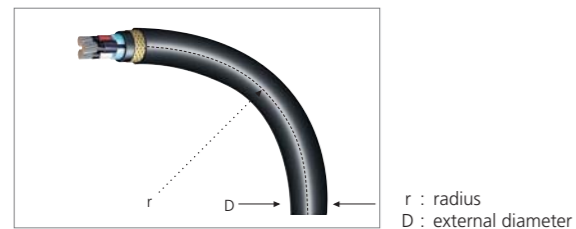
The cable pulling force can be estimated, as a maximum limit :

5Kp per mm² conductor area in the cable.

Additional tension will be supplied from the braid and the insulation and sheathing compound.

4. Bending radius

Installations recommendations minimum cable bending radius



Bending radius for cables rated up to 1,8/3 kV

Conductor area		Overall diameter of Cable (D)	Minimum internal radius of bend
Insulation	Covering		
Thermoplastic or thermosetting with copper conductors	Unarmoured or unbraided	≤25mm	4D ^a
	Metal braided screen or armoured	>25mm	6D
	Metal wire armoured	Any	6D
	Metal tape armoured or metal - sheathed	Any	6D
Composite polyester/metal laminate tape screened units or collective tape screening			
Thermoplastic or thermosetting with sector shaped copper conductors	Any	Any	8D
Mineral	Hard metal sheathed	Any	6D
a 6D for defined circuit integrity			

Bending radius for cables rated at 3,6/6,0(7,2)kV and above

Conductor area	Overall of diameter cable(D)	Minimum internal radius of bend
sector shaped copper	Any	12D
3-core cables	Any	9D

5. Voltage drop coefficient

The voltage drop coefficients in each circuit are given in the following table:

Voltage	Conductor size	Resistance (20 °C)	Voltage drop coefficient						
			100	95	90	85	80	75	70
250V	0.75	26	1.00	0.95	0.90	0.85	0.80	0.75	0.70
	1	18.2	1.00	0.95	0.90	0.85	0.80	0.75	0.70
	1.5	12.2	1.00	0.95	0.90	0.85	0.80	0.75	0.71
	2.5	7.56	1.00	0.95	0.90	0.86	0.81	0.76	0.71
	4	4.7	1.00	0.95	0.91	0.86	0.81	0.76	0.71
	6	3.11	1.00	0.96	0.91	0.86	0.81	0.77	0.72
	10	1.84	1.00	0.96	0.92	0.87	0.82	0.77	0.73
	16	1.16	1.00	0.97	0.92	0.88	0.83	0.76	0.74
	25	0.734	1.00	0.98	0.94	0.90	0.85	0.81	0.76
	35	0.526	1.00	0.99	0.95	0.91	0.87	0.83	0.78
0.6/1kV	50	0.391	1.00	1.00	0.97	0.93	0.89	0.85	0.81
	70	0.27	1.00	1.02	1.00	0.97	0.93	0.90	0.86
	95	0.195	1.00	1.04	1.03	1.01	0.98	0.95	0.92
	120	0.154	1.00	1.07	1.06	1.05	1.03	1.00	0.97
	150	0.126	1.00	1.09	1.10	1.09	1.08	1.05	1.03
	185	0.1	1.00	1.13	1.15	1.15	1.15	1.13	1.11
	240	0.0762	1.00	1.19	1.23	1.25	1.25	1.25	1.24
	300	0.0607	1.00	1.24	1.31	1.35	1.36	1.37	1.37


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