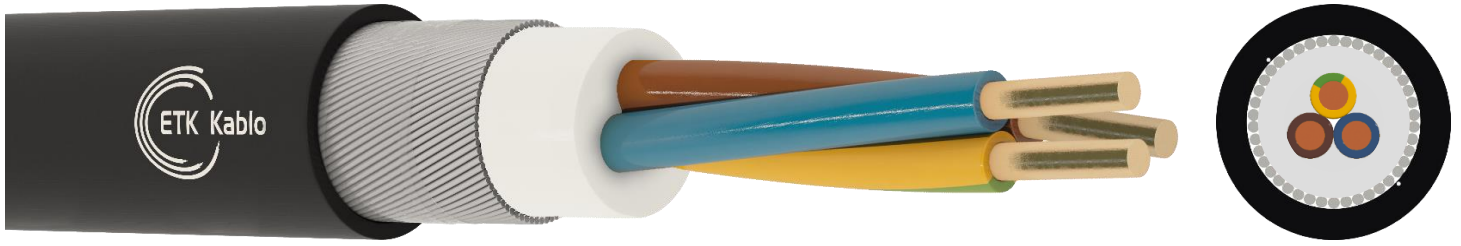


Energy Cables

Fire Resistant Cables

N2XRH-J 0.6/1kV FE180



Application

- Airports, hospitals, shopping centers
- Tunnels, subway stations
- Highrises, hotels
- Industrial facilities
- In places where human life, valuable materials and equipments need to be protected.

Cable Construction

- 1 - Conductor : Class 1 solid or Class 2/Class 5 stranded electrolytic copper (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Wrapping : Each conductor wrapped with mica tape
- 3 - Insulation : Wrapped conductors insulated with XLPE (BS EN 50290-2, VDE 0207 Y11, HD 308 S2)
- 4 - Stranding : Insulations are stranded into layers
- 5 - Filler : Halogen-free compound
- 6 - Armoring : Steel wire armor, polyester tape
- 7 - Outer Jacket : UV resistant halogen-free outer jacket.

*Images are for illustrative purpose only

Technical Characteristics

Cross Section	Conductor Resistance Ω/km (20 °C)	Operating Voltage V DC	Test Voltage V DC (1 minute)
1.50 mm ²	12.1	600/1000	4000
2.50 mm ²	7.4	600/1000	4000
4.00 mm ²	4.6	600/1000	4000
6.00 mm ²	3.0	600/1000	4000
10.00 mm ²	1.8	600/1000	4000
16.00 mm ²	1.1	600/1000	4000
25.00 mm ²	0.7	600/1000	4000
35.00 mm ²	0.5	600/1000	4000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
8xD mm	-20°C ~ +90°C

Standards

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Retardancy Test	Flame Propagation Test
IEC 61034-2, VDE 0482-1034-2, BS EN 61034-2	IEC 60754-2, VDE 0482-267-2-3, BS EN 50267-2-3	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1, BS EN 50267-2-1	IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2	IEC 60332-3-24, VDE 0482-332-3-24, BS EN 60332-3-24

Circuit Integrity Test (FE180)

IEC 60331-21

N2XRH-J 0.6/1kV FE180

Part Number (Class 1)	Conductor Count	Conductor Cross-Section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.675.01.mt.cX14.0.3.3 0.S1L.02	2	1.50	14	27.5	387	500/1000
3.675.01.mt.cX14.0.3.3 0.S1L.03	3	1.50	14.5	41.3	415	500/1000
3.675.01.mt.cX14.0.3.3 0.S1N.02	2	2.50	14.8	46.4	438	500/1000
3.675.01.mt.cX14.0.3.3 0.S1N.03	3	2.50	15.3	69.6	478	500/1000
3.675.01.mt.cX14.0.3.3 0.S1N.04	4	2.50	16.9	92.8	626	500/1000
3.675.01.mt.cX14.0.3.3 0.S1O.04	4	4.00	17.9	144.3	733	500/1000
3.675.01.mt.cX14.0.3.3 0.S1P.04	4	6.00	19.2	221.7	874	500/1000
3.675.01.mt.cX14.0.3.3 0.S1Q.04	4	10.00	21.1	375.3	1116	500/1000

Part Number (Class 2)	Conductor Count	Conductor Cross-Section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.675.01.mt.cX14.0.3.3 0.S2N.03	3	2.50	16.6	73.6	592	500/1000
3.675.01.mt.cX14.0.3.3 0.S2N.12	12	2.50	25	294.4	1374	500/1000
3.675.01.mt.cX13.0.3.3 0.S2O.02	2	4.00	17.1	79	641	500/1000
3.675.01.mt.cX14.0.3.3 0.S2Q.05	5	10.00	24.8	490.6	1518	500/1000
3.675.01.mt.cX14.0.3.3 0.S2R.04	4	16.00	25.6	624.3	1706	500/1000
3.675.01.mt.cX13.0.3.3 0.S2S.02	2	25.00	26.3	495.8	1696	500/1000
3.675.01.mt.cX14.0.3.3 0.S2S.04	4	25.00	30	991.6	2341	500/1000
3.675.01.mt.cX13.0.3.3 0.S2T.02	2	35.00	28.8	694	2061	500/1000
3.675.01.mt.cX14.0.3.3 0.S2T.04	4	35.00	33.8	1388	3154	500/1000

Part Number (Class 5)	Conductor Count	Conductor Cross-Section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.675.01.mt.cX14.0.3.3 0.S5L.03	3	1.50	14.9	39.8	434	500/1000
3.675.01.mt.cX14.0.3.3 0.S5L.05	5	1.50	17.4	66.4	621	500/1000
3.675.01.mt.cX14.0.3.3 0.S5L.12	12	1.50	23.1	159.3	1133	500/1000
3.675.01.mt.cX14.0.3.3 0.S5N.03	3	2.50	16.6	65.9	584	500/1000
3.675.01.mt.cX14.0.3.3 0.S5N.07	7	2.50	19.8	153.7	836	500/1000
3.675.01.mt.cX14.0.3.3 0.S5N.12	12	2.50	25	263.5	1345	500/1000
3.675.01.mt.cX14.0.3.3 0.S5N.15	15	2.50	27	329.3	1523	500/1000