



Application

- Used in energy networks in hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, business centers where there is a risk of fire.
- In places where human life, valuable materials and equipments need to be protected.

Cable Construction

- 1 - Conductor : Class 1 solid or Class 2 stranded electrolytic copper conductor (IEC 60228, DIN VDE 0295, EN 60228)
- 2 - Insulation : Cross-linked polymer compound in ceramic form (VDE 0815)
- 3 - Stranding : Insulations are stranded into layers
- 4 - Filler : Halogen-free compound
- 5 - 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
36.00 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, EN 61034-2, BS EN 61034-2	IEC 60754-2, VDE 0482-754-2, EN 60754-2, BS EN 60754-2	IEC 60754-1, VDE 0482-754-1, EN 60754-1, BS EN 60754-1	IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2, BS EN 60332-1-2	IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24, BS EN 60332-3-24
Circuit Integrity Test (FE180)		Cable System Circuit Integrity Test (E90)		
IEC 60331-21		DIN 4102-12		

(N)HXH-J 0.6/1kV FE180 E90

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)
3.670.01.c44.0.3.3 3.S1L.02	2	1.50	8.8	26.6	122	500/1000
3.670.01.c44.0.3.3 3.S1L.03	3	1.50	9.2	39.9	141	500/1000
3.670.01.c44.0.3.3 3.S1L.04	4	1.50	9.9	53.4	166	500/1000
3.670.01.c44.0.3.3 3.S1L.05	5	1.50	10.7	67.1	200	500/1000
3.670.01.c44.0.3.3 3.S1N.02	2	2.50	9.6	44.8	156	500/1000
3.670.01.c44.0.3.3 3.S1N.03	3	2.50	10.1	67.2	185	500/1000
3.670.01.c44.0.3.3 3.S1N.04	4	2.50	10.9	90.1	221	500/1000
3.670.01.c44.0.3.3 3.S1N.05	5	2.50	11.8	113.2	268	500/1000
3.670.01.c44.0.3.3 3.S1O.02	2	4.00	10.5	69.7	199	500/1000
3.670.01.c44.0.3.3 3.S1O.03	3	4.00	11.1	104.6	241	500/1000
3.670.01.c44.0.3.3 3.S1O.04	4	4.00	12	140.1	292	500/1000
3.670.01.c44.0.3.3 3.S1O.05	5	4.00	13	176	355	500/1000
3.670.01.c44.0.3.3 3.S1O.07	7	4.00	14	246.4	441	500/1000
3.670.01.c44.0.3.3 3.S1P.02	2	6.00	11.5	107.1	257	500/1000
3.670.01.c44.0.3.3 3.S1P.03	3	6.00	12.1	160.7	315	500/1000
3.670.01.c44.0.3.3 3.S1P.04	4	6.00	13.2	215.3	389	500/1000
3.670.01.c44.0.3.3 3.S1P.05	5	6.00	14.3	270.5	475	500/1000
3.670.01.c44.0.3.3 3.S1Q.02	2	10.00	13.2	181.4	370	500/1000
3.670.01.c44.0.3.3 3.S1Q.03	3	10.00	14	272.1	466	500/1000
3.670.01.c44.0.3.3 3.S1Q.04	4	10.00	15.2	364.6	577	500/1000
3.670.01.c44.0.3.3 3.S1Q.05	5	10.00	16.6	457.9	713	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)
3.670.01.c44.0.3.3 3.S2R.02	2	16.00	16.3	301.7	564	500/1000
3.670.01.c44.0.3.3 3.S2R.03	3	16.00	17.4	452.6	733	500/1000
3.670.01.c44.0.3.3 3.S2R.04	4	16.00	19.3	603.5	924	500/1000
3.670.01.c44.0.3.3 3.S2R.05	5	16.00	21.2	754.3	1145	500/1000
3.670.01.c44.0.3.3 3.S2S.02	2	25.00	19.9	474.3	855	500/1000
3.670.01.c44.0.3.3 3.S2S.03	3	25.00	21.3	718.9	1126	500/1000
3.670.01.c44.0.3.3 3.S2S.04	4	25.00	23.6	958.6	1420	500/1000
3.670.01.c44.0.3.3 3.S2S.05	5	25.00	26.1	1198.2	1773	500/1000
3.670.01.c44.0.3.3 3.S2T.02	2	35.00	22.5	667.1	1137	500/1000
3.670.01.c44.0.3.3 3.S2T.03	3	35.00	24.1	1006.3	1507	500/1000
3.670.01.c44.0.3.3 3.S2T.04	4	35.00	26.7	1328.5	1890	500/1000
3.670.01.c44.0.3.3 3.S2T.05	5	35.00	29.6	1677.2	2384	500/1000