We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

2XSL(St)CH-J 0.6/1 kV EMV



XLPE/FRNC motor power supply cable, halogen-free, screened

These double screened 2XSL(St)CH-J cables were designed as supply and connecting cables, for medium mechanical stress, for fixed installation and occasionally non-guided movements, in dry and damp rooms, especially where human life or valuable property are exposed to a high risk of fire hazards. Double screening considerably improves electromagnetic compatibility (EMC) in buildings and plants.

TECHNICAL DATA

Standard
DIN VDE 0276-603

Test Voltage
4000 V / 50 Hz

Rated Voltage
0.6/1 kV (Uo/U)

Bending radius (min.)
Fixed installation: 7.5 x Ø of cable
Flexible use: 15 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant
EN 60332-3-24 (Category C): reduced flame propagation
EN 61034: smoke density
EN 60754: halogen-free
CPR classification: Dca

Core identification
Colours according to CENELEC HD 308 S2

Temperature range
Conductor temperature: max. 90°C
Fixed installation: -30°C up to 80°C
Flexible use: -5°C up to 70°C

DESIGN



1. Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of cross-linked polyethylene (XLPE)
3. Cores are stranded together with optimal lay-length
4. Plastic tape separation (optional)
5. Plastic bonded aluminium tape and tinned copper wire braiding
6. Outer sheath of special flame retardant non-corrosive compound (FRNC), clolour: black (RAL 9005)

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 1.5	10.6	95	244
4 G 2.5	12.3	150	318
4 G 4	14.0	235	513
4 G 6	16.1	320	670
4 G 10	19.7	533	914
4 G 16	23.0	789	1367
4 G 25	27.3	1236	1970
4 G 35	30.3	1662	2763
4 G 50	35.0	2345	3126
4 G 70	40.0	3196	4182
4 G 95	45.0	4316	5725

Technical changes reserved. All figures are therefore without guarantee.



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