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Modern Life
Possible



2XSL(St)CH-J 0.6/1 kV EMV-3 PLUS

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

AUTOMATION AND MOTOR SUPPLY CABLES

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 (U₀/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

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), colour: 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)
3 x 1.5 + 3 G 0.25	10.2	91	212
3 x 2.5 + 3 G 0.5	11.8	152	276
3 x 4 + 3 G 0.75	13.4	224	446
3 x 6 + 3 G 1	15.3	298	582
3 x 10 + 3 G 1.5	18.6	491	794
3 x 16 + 3 G 2.5	21.5	723	1188
3 x 25 + 3 G 4	25.5	1138	1713
3 x 35 + 3 G 6	28.3	1535	2402
3 x 50 + 3 G 10	33.0	2208	2718
3 x 70 + 3 G 10	37.0	2871	3636
3 x 95 + 3 G 16	41.0	3953	4978
3 x 120 + 3 G 16	43.8	4836	5077

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