



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

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

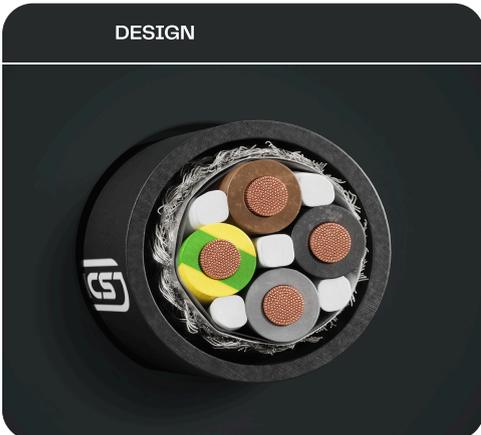


Core identification
Colours according to CENELEC HD 308 S2



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)
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

**CONTACT PERSON**

Dipl. Ing. Peter Tomka
+421 37 6969631
peter.tomka@ics-cables.sk

