We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

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



XLPE/PVC motor power supply cable, screened

2XSL(St)CY-J double screened motor supply and frequency converter cables were designed as supply and connecting cables for medium mechanical stress, fixed installation and non-guided movements in dry, damp and wet rooms. Black UV-resistant version is designed for outdoor applications. XLPE insulation improves transmission characteristics and allows transmission of higher power when using same cross sections. 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: 5 x Ø of cable
Flexible use: 15 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant
CPR classification: Eca

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 compound of polyvinyl chloride (PVC), colour: black (RAL 9005) for 2XSL(St)CYK-J or transparent for 2XSL(St)CY-J

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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