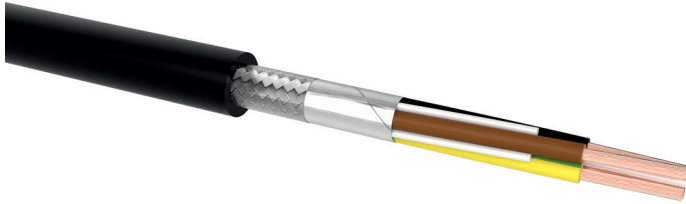


2XSL(St)CYK-FR-J 0.6/1 kV EMV

XLPE/PVC motor power supply cable, screened

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 bonded aluminium tape and tinned copper wire braiding
- 5 | Outer sheath of special compound of flame resistant polyvinyl chloride (PVC), colour: black (RAL 9005)

APPLICATION

These 2XSL(St)CYK-FR-J cables were designed as supply and connecting cables, for medium mechanical stress, fixed installation and occasionally non-guided movements in dry, damp and wet rooms. Characterized by low flame propagation according to IEC 60332-3-24. XLPE insulation improves transmission characteristics and allows transmission of higher power using same cross sections. Double screening improves EMC in buildings and plants.

TECHNICAL DATA



Standard:
DIN VDE 0276-603



Rated voltage:
0.6/1 kV (U₀/U)



Test voltage:
core / core 4000 V / 50 Hz



Temperature range:
fixed installation: -30 °C up to 80 °C
flexible use: -5 °C up to 70 °C
conductor temperature: max. 90 °C



Bending radius (min.):
fixed installation: 5 x Ø of cable
flexible use: 15 x Ø of cable



Core identification:
colours according to CENELEC HD 308 S2



Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant
EN 60332-3-24 (Category C): reduced flame propagation

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
2XSL(St)CYK-FR-J 0.6/1 kV EMV			
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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