We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

2YSL(St)CYK-J 0.6/1 kV EMV-3 PLUS



PE/PVC motor power supply cable, screened

These double screened motor supply and frequency converter cables 2YSL(St)CYK-J were designed as supply and connecting cables, for medium mechanical stress, fixed installation and occasionally non-guided movements, in dry, damp and wet rooms. UV-resistant black sheath is designed for outdoor applications. 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. 70°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 polyethylene (PE)
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 2YSL(St)CYK-J or transparent for 2YSL(St)CY-J

Number of cores x nominal cross-section (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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