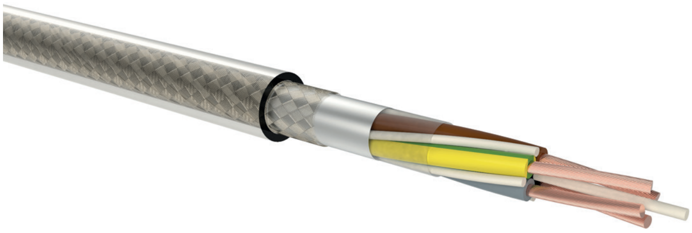
SCHWECHATER KABELWERKE

# 2YSL(St)CY-J 0,6/1 kV EMV

PE/PVC motor power supply cable, screened

## DESIGN



1 I Copper conductor, fine wire
2 I Core insulation (PE), cores are stranded together with optimal lay-length
3 I Taping (plastic foil, optional)
4 I Screen (plastic laminated aluminium tape and braided with tinned copper wires sreen)
5 I Sheath (PVC, transparent 2YSL(St)CY-J or black 2YSL(St)CYK-J)

## APPLICATION

Double screened 2YSL(St)CY-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. UV-resistant black sheath is designed for outdoor applications. Double screening considerably improves electromagnetic compatibility (EMC) in buildings and plants.

## TECHNICAL DATA

NORM

**Standard:**
DIN VDE 0276-603

**Rated voltage:**
0.6/1 kV (Uo/U)

**Test voltage:**
4 kV / 50 Hz

**Temperature range:**
laying temperature: min. 5 °C
fixed: -30 °C up to 80 °C
moved: -5 °C up to 70 °C
conductor temperature: max. 70 °C
short circuit temperature: max. 160 °C/5 s

**Bending radius (min.):**
5 x Ø of cable (fixed installed)
15 x Ø of cable (free motion)

**Core identification:**
HD 308 S2

**Fire properties:**
EN 60332-1-2: self-extinguishing and flame retardant
CPR classification: $E_{ca}$

| Number of cores x nominal cross-section (mm²) | Max. conductor resistance (Ω/km) | Outer diameter (mm) appr. | Total weight (kg/km) appr. | Standard lengths/ packing (m) |
|---|---|---|---|---|
| 2YSL(St)CY-J 0,6/1 kV EMV | | | | |
| 4 G 1.5 | 13.3 | 10.6 | 244 | 500 D, 1000 D |
| 4 G 2.5 | 7.98 | 12.3 | 300 | 500 D, 1000 D |
| 4 G 4 | 4.95 | 14.0 | 515 | 500 D, 1000 D |
| 4 G 6 | 3.3 | 16.1 | 670 | 500 D, 1000 D |
| 4 G 10 | 1.91 | 19.7 | 914 | 500 D, 1000 D |
| 4 G 16 | 1.21 | 23.0 | 1367 | 500 D, 1000 D |
| 4 G 25 | 0.78 | 27.3 | 1970 | 500 D, 1000 D |
| 4 G 35 | 0.554 | 30.3 | 2763 | 500 D, 1000 D |
| 4 G 50 | 0.386 | 35.0 | 3126 | 500 D, 1000 D |
| 4 G 70 | 0.272 | 40.0 | 4182 | 500 D, 1000 D |
| 4 G 95 | 0.206 | 45.0 | 5725 | 500 D, 1000 D |
| 4 G 120 | 0.161 | 51.9 | 6504 | 500 D |
| 4 G 150 | 0.129 | 57.5 | 7043 | 300 D |
| 4 G 185 | 0.106 | 61.1 | 8384 | 300 D |
| 4 G 240 | 0.801 | 70.0 | 12500 | 300 D |

 24.10.2022, 16:00