We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

9YSL(St)CYK-J 0.6/1 kV EMV-3 PLUS UL/c(UL)



UL recognized PP/PVC motor power supply cable, screened

Double screened flexible motor supply cables with special EMC-performance, with low capacitance design and PVC sheath. Contrary to usage of PVC insulated cables, PP insulated cables show significant reduction of useless reactive power always needed for charging and discharging the cable during operating of the frequency converter.

TECHNICAL DATA

Standard
DIN VDE 0276-603

Certificate
UL AWM Style 2570 CSA C22.2 No. 210-11, AWM

Test Voltage
4000 V / 50 Hz

Rated Voltage
0.6/1 kV (Uo/U)
1000 V (UL/CSA)

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
UL: vertical flame test VW-1, cable flame test
CSA: FT1

Core identification
Colours according to CENELEC HD 308 S2

Temperature range
Conductor temperature: max. 80°C
Fixed installation: -40°C up to 80°C
Flexible use: -5°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 polypropylene compound (PP)
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 9YSL(St)CYK-J or transparent for 9YSL(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)
3 x 1.5 + 3 G 0.25	11.4	88	140
3 x 2.5 + 3 G 0.5	12.9	130	220
3 x 4 + 3 G 0.75	13.6	224	323
3 x 6 + 3 G 1	15.2	276	420
3 x 10 + 3 G 1.5	17.4	511	615
3 x 16 + 3 G 2.5	20.0	751	819
3 x 25 + 3 G 4	24.3	1204	1325
3 x 35 + 3 G 6	27.5	1535	1718
3 x 50 + 3 G 10	31.1	2156	2399
3 x 70 + 3 G 10	37.1	2980	3056
3 x 95 + 3 G 16	40.0	3953	4162
3 x 120 + 3 G 16	42.6	4836	5074

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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