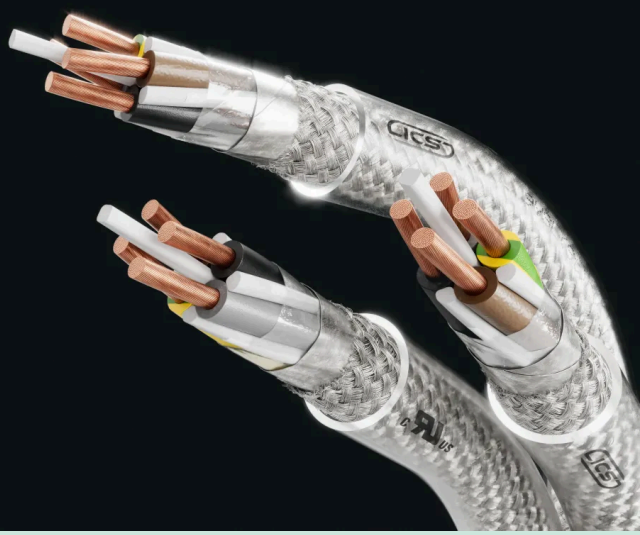
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

9YSL(St)CY-J 0.6/1 kV EMV 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)

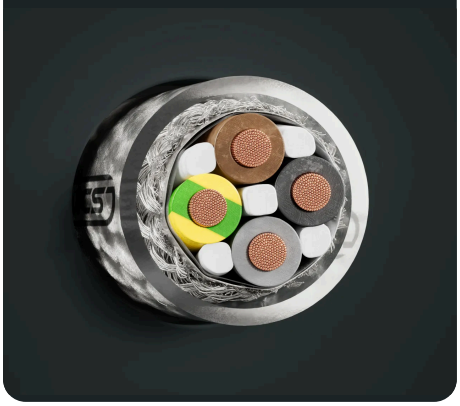
Bending radius (min.)
Fixed installation: 5x Ø of cable
Flexible use: 15 x Ø of cable

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 (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 1.5	10.5	87	151
4 G 2.5	11.8	133	207
4 G 4	13.3	213	272
4 G 6	14.9	298	371
4 G 10	17.7	460	557
4 G 16	21.5	707	1218
4 G 25	26.3	1100	1367
4 G 35	29.7	1542	1763
4 G 50	35.8	2206	2318
4 G 70	40.9	3002	3253
4 G 95	44.6	4004	4201

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

Dipl. Ing. Peter Tomka

+421 37 6969631
peter.tomka@ics-cables.sk