



2YSLCY-J / 2YSLCYK-J

Application Area

Double-Screened motor power supply cable for frequency converters is used in industrial installations, machine tools, automation technologies, production plants and other equipment operating in wet, dry, damp conditions. 2YSLCY-J is suitable for indoor and 2YSLCYK-J is for outdoor applications. Foil and Copper braid screens provide excellent interference-free data and signal transmission in measuring and control technology.

Cable Construction

Conductor	Flexible Stranded Annealed Copper (IEC/EN 60228, VDE 0295, Class 5)
Insulation	PE Compound
Core Stranding	In layers
Double-Screen	1st Al/PET foil 2nd tinned copper braid
Outer Sheath	Special PVC Compound
Colours	Outer Sheath: Transparent for 2YSLCY-J and Black for 2YSLCYK-J. Other colours on request Core Colours: Colored cores according to VDE 0293

Technical Characteristics

Operating Voltage	600/1000 V
Test Voltage	4000 V
Temperature Range	Fixed: -40 °C+80 °C, Flexible: -5°C+70 °C
Flame Retardancy	DIN VDE 0482 part 265-2-1 / EN 50265-2-1 / IEC 60332-1-2
Min. Bending Radius	Fixed: up to 12 mm: 5x and up to 20 mm : 7,5x Cable Diameter Flexible: up to 12mm Ø: 10x and up to 20mm Ø: 15x Cable Diameter

No. of cores x cross section n x mm ²	Outer-ø ± 5% mm	Cable weight ≈ kg/km
4 G 1,5	11,4	230
4 G 2,5	12,4	300
4 G 4	15,6	485
4 G 6	17,0	630
4 G 10	19,6	860
4 G 16	21,6	1290
3x1,5+3G0,25	11,4	140
3x2,5+3G0,50	12,2	220
3x4+3G0,75	14,4	323
3x6+3G0,1	15,7	420
3x10+3G1,50	18,0	615
3x16+3G2,50	20,2	819