



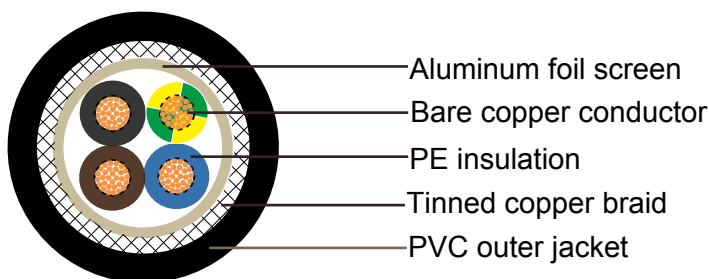
2YSLCY-JB/2YSLCYK-JB

Application

These cables are double shielded, large gauge size, PVC motor supply cables. Polyethylene insulation over very fine stranded copper provides a low-loss transfer of power, excellent low capacitance performance and superior flexibility when compared to conventional PVC cables. The applications include frequency converters, motor runs, connections with high electromagnetic interference. Found in the automotive, paper and food industry, environmental technology, packaging industry, machine tools and handling equipment. The overall foil and braid shield offer excellent protection against electromagnetic and electrical interferences. For medium mechanical stresses found indoors in dry, moist and wet areas. For 2YSLCYK-JB, the black UV-resistant jacket also allows for outdoor use and for direct burial applications.

Standard and Approval

VDE 0250 & 0281, EMC to EN 55011, EMC to VDE-0875 part-11, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant



2YSLCYK-JB



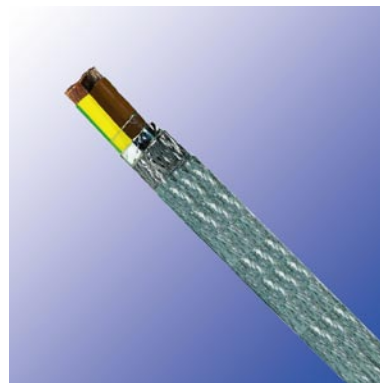
2YSLCYK-JB

Cable construction

- Stranded bare copper conductor according to DIN VDE 0295, IEC60228 cl. 5
 - Polyethylene(PE) insulation
 - Colours according to HD 308 S2(VDE 0293- 308)
 - Special aluminum foil screening
 - Tinned copper braiding, coverage approx. 80%
 - For 2YSLCY special transparent PVC sheath made of PVC compound YM2 acc. VDE 0207 -5, leadfree, flame retardant & self-extinguishing
 - For 2YSLCYK black PVC sheath made of cold-flexible PVC compound DMV5 acc. VDE 0276-603, leadfree, UV resistant, outdoor and direct burial use, flame retardant & self-extinguishing, IEC 60332.1 EEU directives cables conforms to EEC 79/29 directive (Low Voltage Directive)
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Technical Characteristics

- Working voltage: 600/1000 volts
 - Test voltage: 4000 volts
 - Minimum bending radius: 20 x Ø
 - Flexing temperature: -5° C to +70° C
 - Fixed installation temperature: - 40° C to +70° C
 - Flame retardant: IEC 60332.1
 - Insulation resistance: >20 GΩ x km
 - Coupling resistance max. 250 Ω/km
 - Radiation resistance up to 80 x10⁶ cJ/kg (up to 80 Mrad)
 - Mutual capacitance: core/core 70 to 250 nF/km,
core/braiding 110 to 410 nF/km
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2YSLCY-JB



Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Mutual capacitance core/core approx. nF/km	Mutual capacitance core/screen approx. nF/km	Copper Weight kg / km	Cable Weight kg / km
16(30/30)	4 G 1.5	11.6	70	110	95	230
14(50/30)	4 G 2.5	13.1	80	130	150.0	300
12(56/28)	4 G 4	14.6	90	150	235.0	485
10(84/28)	4 G 6	16.0	110	170	320.0	630
8(80/26)	4 G 10	19.5	120	190	533.0	860
6(128/26)	4 G 16	22.0	130	220	789.0	1,290
4(200/26)	4 G 25	26.2	145	230	1,236.0	1,860
2(280/26)	4 G 35	29.4	150	260	1,662.0	2,610
1(400/26)	4 G 50	37.5	175	290	2,345.0	2,950
2/0(356/24)	4 G 70	40.0	180	300	3,196.0	3,950
3/0(485/24)	4 G 95	46.4	195	320	4,316.0	5,300
4/0(614/24)	4 G 120	53.1	215	340	5,435.0	6,600
300 MCM (765/24)	4 G 150	57.2	230	360	6,394.0	7,043
350 MCM (944/24)	4 G 185	61.1	240	380	7639	8384
500 MCM (1225/24)	4 G 240	67.3	250	410	10013	11611