

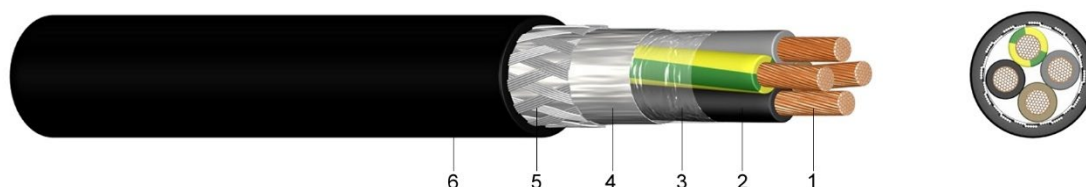
2XSL(ST)CYK-J

Motor control and power supply cable, 0,6/1 kV
+90 °C service temperature, optimised screen, oil, UV and ozone resistant
adapted to VDE 250 and IEC 60092-353

Application

Flexible motor power supply cable for frequency converter controlled AC drives in industries or wind turbines. This cable type, that incorporate a special screen and have a symmetrical distribution of the protective conductor (3x... + 3G...), are adequate for facilities where is necessary avoid the interferences of electromagnetic waves of high frequency of nearby circuits, as variation engines of speed. For fixed installation and occasional free flexing indoors in dry, damp and wet conditions, as well as outdoors for low mechanical stress. Underground installation is allowed provided that the cable is installed in a sufficiently drained tube (no water accumulation).

Construction



1. Conductor: Copper conductor, bare, flexible (class 5)
2. Insulation: XLPE
Core identification: according to HD 308 S2
3. Separator: Plastic tape
Multilayer screen, EMC optimised regarding to radio frequency interference field
4. Screen 1st layer: Laminated Alu/PETP tape
5. Screen 2nd layer: Copper wire braid, tinned
6. Outer sheath: PVC, black

Technical information

Rated voltage	U ₀ /U	0,6/1 kV
Test voltage		4 kV
Max. permissible temperature at conductor		90 °C
Max. short circuit temperature of the conductor		250 °C (max, 5 sec)
Min. operating temperature	fixed installation	-40 °C
	occasional flexing	-15 °C
Min. bending radius mm	fixed installation	10 x outer diameter in mm
	occasional flexing	20 x outer diameter in mm
Flame spread	single cable	IEC 60332-1-2

Additional parameters

Largely oil resistant
UV resistant
Ozone resistant

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N° of cores and cross section mm ²	Outer diameter approx. mm	Weight approx. kg/km	Current rating* A
4 G 1,5	10,6	212	23
4 G 2,5	11,2	270	32
4 G 4	12,5	362	42
4 G 6	15,2	582	54
4 G 10	17,4	794	75
4 G 16	21,2	1188	100
4 G 25	26,3	1713	127
4 G 35	29,1	2402	158
4 G 50	33,8	2718	192
4 G 70	39,3	3636	246
4 G 95	42,9	4700	298
4 G 120	50,8	5699	346
4 G 150	54,7	7043	399
4 G 185	62,0	8384	456
4 G 240	68,2	11292	538
with symmetrical distribution of the protective conductor			
3 x 1,5 + 3 G 0,25	10,2	144	23
3 x 2,5 + 3 G 0,5	11,0	264	32
3 x 4 + 3 G 0,75	12,2	333	42
3 x 6 + 3 G 1	14,4	429	54
3 x 10 + 3 G 1,5	16,8	615	75
3 x 16 + 3 G 2,5	20,1	835	100
3 x 25 + 3 G 6	24,0	1404	127
3 x 35 + 3 G 6	27,3	1813	158
3 x 50 + 3 G 10	31,3	2501	192
3 x 70 + 3 G 10	34,8	3112	246
3 x 95 + 3 G 16	39,3	4492	298
3 x 120 + 3 G 16	44,5	5301	346
3 x 150 + 3 G 25	49,8	6097	399
3 x 185 + 3 G 35	56,2	7597	456
3 x 240 + 3 G 50	62,9	9875	538

*max. perm. current carrying capacity at 30 °C ambient temperature

La version française de cette fiche technique est disponible sur demande,
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar,