

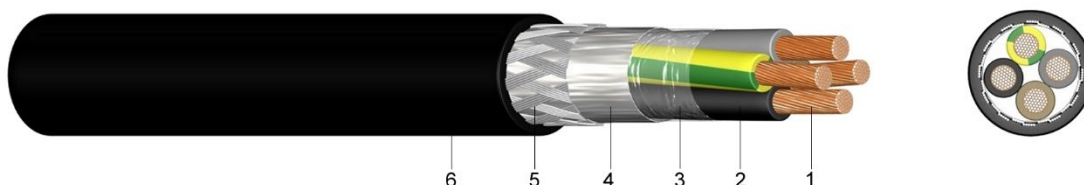
2XSL(ST)CH-J Cca

Motor control and power supply cable, 0,6/1 kV
+90 °C service temperature, optimised screen, zero halogen, fire retardant, oil and UV resistant
adapted to VDE 250 and IEC 60092-353 and EN 50575

Application

Flexible zero halogen motor power supply cable with improved fire characteristics 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. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. 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 (optional)
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: Zero halogen compound, 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	-5 °C
Min. bending radius mm	fixed installation	10 x outer diameter in mm
	occasional flexing	20 x outer diameter in mm
Safety parameters		
Reaction to fire		EN 50399 C _{ca} - s1b, d1, a1
Additional parameters		
Oil resistant		IEC 60811-404
UV resistant		

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N° of cores and cross section mm ²	Outer diameter approx. mm	Weight approx. kg/km	Current rating open air A
4 G 1,5	10,6	230	23
4 G 2,5	11,7	300	32
4 G 4	13,1	485	42
4 G 6	14,4	630	54
4 G 10	17,0	860	75
4 G 16	22,6	1138	
4 G 25	26,9	1843	
4 G 35	30,2	2610	
4 G 50	35,5	2933	
4 G 70	40,1	3940	
4 G 95	44,8	5270	
4 G 120	49,8	6558	
4 G 150	55,5	7078	
4 G 185	62,6	8408	
4 G 240	66,6	11113	
3 x 16 + 3 G 2,5	17,7	846	100
3 x 25 + 3 G 6	22,5	1395	127
3 x 35 + 3 G 6	24,5	1840	157
3 x 50 + 3 G 10	28,4	2718	192
3 x 70 + 3 G 10	32,7	3470	246
3 x 95 + 3 G 16	36,3	4540	298
3 x 120 + 3 G 16	40,8	5865	346
3 x 150 + 3 G 25	44,6	6490	399
3 x 185 + 3 G 35	50,6	8595	456
3 x 240 + 3 G 50	56,6	11720	538

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