

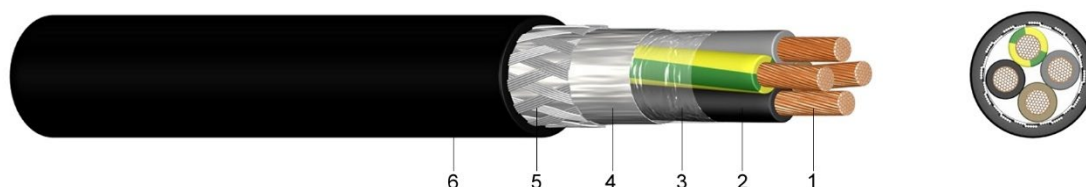
2XSLCHK-J Cca direct burial

Motor control and power supply cable, 0,6/1 kV
+90 °C service temperature, optimised screen, zero halogen, fire retardant, oil and UV resistant
IEC 60502 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. Also suitable for direct burial.

Construction



1. Conductor: Copper conductor, bare, flexible (class 5)
2. Insulation: XLPE
Core identification: according to HD 308 S2
3. Filler: non-hygroscopic (non-fibrous)
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	0 °C
Min. bending radius mm	fixed installation	8 x outer diameter in mm
	occasional flexing	10 x outer diameter in mm for D < 12mm 15 x outer diameter in mm for D < 20mm 20 x outer diameter in mm for D > 20mm
Max. pulling force		50 N / mm ²
Safety parameters		
Reaction to fire		EN 50399 C _{ca} - s1b, d2, a1
Additional parameters		
Impact resistant		AG3, AH1
UV resistant		EN 50289-4-17 method A (720h)
Water resistant		AD7
Oil resistant		EN 50290-2-22, AF3

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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 2,5	14,9	270	32
4 G 4	16,4	362	42
4 G 6	17,7	447	54
4 G 10	20,9	718	75
4 G 16	23,6	1005	100
4 G 25	27,4	1410	127
4 G 35	31,7	1950	158
4 G 50	38,0	3700	192
4 G 70	43,5	3600	246
4 G 95	46,7	4500	298
4 G 120	53,4	5600	346
4 G 150	59,1	6895	399
4 G 185	64,6	8270	456
4 G 240	70,0	10715	538
4 G 300	81,2	13800	621
With divided earth conductor			
3 x 10 + 3 G 1,5	20,4	695	75
3 x 16 + 3 G 2,5	22,7	925	100
3 x 25 + 3 G 6	26,3	1350	127
3 x 35 + 3 G 6	30,4	1760	157
3 x 50 + 3 G 10	35,0	2550	192
3 x 70 + 3 G 10	36,3	3210	246
3 x 95 + 3 G 16	44,0	4110	298
3 x 120 + 3 G 16	49,8	4925	346
3 x 150 + 3 G 25	55,5	6200	399
3 x 185 + 3 G 35	60,4	7500	456
3 x 240 + 3 G 50	65,3	9610	538

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