

2XSLCHK 0.6/1kV.

[D] CPR Eca

Model Product: 584 - 20241115



Class 5 flexible copper conductor.
XLPE Crosslinked polyethylene insulation
Screens: aluminium foil (covered 100%), tinned copper braiding (covered 80%)
LSZH sheath.

STANDARDS

EN 50575 IEC 60332-1-2 as applicable IEC 60502

Accordingly to the standards BT 2014/35/UE-2011/65/EU (RoHS 3)

COMMON FEATURES

Connecting cable for drive-system with frequency converter Technology. Suitable for fix installation and casually movement in dry. Direct burial application is allowed too.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Fixed installation = 8D
Flexible Installation = 10D <12 - 15D <20 - 20D >20
Maximum pulling stress: 50 N/mm²

MOTOR POWER SUPPLY CABLE 0,6/1kV DOUBLE SCREENED

Nominal voltage U₀: 600 V

Nominal voltage U: 1000 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: 0°C

Min. operating temperature (without mechanical shocks): -40°C

CORE COLOURS

Three cores: gray-brown-black-Y/G divide into 3 cores

Four cores: gray-brown-black-Y/G.

SHEATH COLOUR

Black

INK MARKING

"year-GENERAL CAVI Eca, 2XSLCHK-J n°cores x sect."

NOTE

MAX. OPERATING VOLTAGE: A.C. and 3-phase 700/1200 V
D.C. operation 900/1800 V
EMC Coupling resistance max 250ohm/km

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Cores number and section		Approx conductor diameter	Insulation medium thickness	Approx external production diameter		Approx cable weight	Electris resistance at 20°C	Current carrying capacities amb. temp. in air or pipe		
(N° x mm²)		(mm)	(mm)	(mm)		(kg/km)	(Ohm/km)	(A)		
Multicores										
4 G 2.5		2.1	0.7	12.0		220	7.98	32		
4 G 4		2.9	0.7	13.0		300	4.95	42		
4 G 6		3.2	0.7	14.7		350	3.30	54		
4 G 10		4.4	0.7	19.0		600	1.91	75		
4 G 16		5.7	0.7	22.0		850	1.21	100		
4 G 25		6.9	0.9	26.5		1300	0.780	127		
4 G 35		7.9	0.9	30.4		1800	0.554	158		
4 G 50		9.4	1.0	36.5		2450	0.386	192		
4 G 70		11.6	1.1	43.5		3350	0.272	246		
4 G 95		12.9	1.1	41.8		4230	0.206	298		
4 G 120		14.8	1.2	51.0		5300	0.161	346		
4 G 150		16.2	1.4	56.0		6500	0.129	399		
4 G 185		17.5	1.6	61.7		8000	0.106	456		
4 G 240		19.8	1.8	67.9		10000	0.0801	538		
4 G 300		21.7	2.0	75.9		10500	0.0641	621		
Cores number	section	Approx conductor diameter	Approx ground conductor diameter	Minimum insulation thickness	Minimu ground insulation thickness	Approx external diameter	Approx cable weight	Max conductor resistance 20°C	Max ground cond. resistance 20°C	Current carrying capacities amb. temp. in air
(N°)	(mm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(Ohm/km)	(A)
Multicores										
3x2.5 + 3G0.5		2.1	0.85	0.7	0.6	11.0	200	7.98	39.0	32
3x4 + 3G0.75		2.9	1.2	0.7	0.6	12.0	250	4.95	26.0	42
3x6 + 3G1		3.2	1.3	0.7	0.7	13.0	300	3.30	19.5	54
3x10 + 3G1.5		4.4	1.8	0.7	0.7	17.9	520	1.91	13.3	75
3x16 + 3G2.5		5.7	2.1	0.7	0.7	19.6	780	1.21	7.98	100
3x25 + 3G4		6.9	2.9	0.9	0.7	23.8	1100	0.78	4.95	127
3x35 + 3G6		7.9	3.2	0.9	0.7	27.1	1550	0.554	3.30	158
3x50 + 3G10		9.4	4.4	1.0	0.7	33.1	2250	0.386	1.91	192
3x70 + 3G10		11.6	4.4	1.1	0.7	37.7	3000	0.272	1.91	246
3x95 + 3G16		12.9	5.7	1.1	0.7	40.5	3700	0.206	1.21	298
3x120 + 3G16		14.8	5.7	1.2	0.7	46.4	4500	0.161	1.21	346
3x150 + 3G25		16.2	6.9	1.4	0.9	50.5	5600	0.129	0.78	399
3x185 + 3G35		17.5	7.9	1.6	0.9	55.2	7000	0.106	0.554	456
3x240 + 3G50		19.8	9.4	1.7	1.0	60.7	9100	0.0801	0.386	538
3x300 + 3G70		21.5	11.6	1.8	1.0	70.4	11200	0.0641	0.272	621