

2XSLCYK / 2YSLCYK 0.6/1kV

[D] CPR Eca

Model Product: 597-598 - 20241112



Class 5 flexible copper conductor.

PE / XLPE Insulation

Screens: aluminium foil (covered 100%), tinned copper braiding (covered 80%)

Special Outer sheath PVC.

STANDARDS

EN 50575 IEC 60332-1-2 as applicable IEC 60502/DIN VDE 0276-603, IEC 60228 DIN VDE 0295 DIN-VDE 0482-332-1-2, DIN EN 60332-1-2

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, damp and wet rooms.

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 (2YSLCYK) Black (2XSLCYK)

INK MARKING

"year-GENERAL CAVI Eca 2YSLCY-J-n°cores x sect." (black sheath)

NOTE

MAX. OPERATING VOLTAGE: A.C. and 3-phase 700/1200 V

D.C. operation 900/1800 V

EMC Coupling resistance max 250ohm/km

Good resistance to UV (Black outer jacket version)

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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 1.5		1.8		0.7		12.0		217		13.3		23	
4 G 2.5		2.1		0.7		13.0		270		7.98		32	
4 G 4		2.9		0.7		15.0		362		4.95		42	
4 G 6		3.2		0.7		16.0		447		3.30		54	
4 G 10		4.4		0.7		20.0		718		1.91		75	
4 G 16		5.7		0.7		23.0		1005		1.21		100	
4 G 25		6.9		0.9		26.0		1410		0.780		127	
4 G 35		7.9		0.9		29.0		1950		0.554		158	
4 G 50		9.4		1.0		34.0		2700		0.386		192	
4 G 70		11.6		1.1		39.0		3600		0.272		246	
4 G 95		12.9		1.1		42.0		4500		0.206		298	
4 G 120		14.8		1.2		48.0		5600		0.161		346	
4 G 150		16.2		1.4		53.0		6895		0.129		399	
4 G 185		17.5		1.6		58.0		8270		0.106		456	
4 G 240		19.8		1.8		65.0		10715		0.0801		538	
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													
3x1.5 + 3G0.25		1.8	-	0.7	0.6	12.0	215	13.3	-	23			
3x2.5 + 3G0.5		2.1	0.85	0.7	0.6	13.0	265	7.98	39.0	32			
3x4 + 3G0.75		2.9	1.2	0.7	0.6	15.0	350	4.95	26.0	42			
3x6 + 3G1		3.2	1.3	0.7	0.7	16.0	430	3.30	19.5	54			
3x10 + 3G1.5		4.4	1.8	0.7	0.7	18.0	695	1.91	13.3	75			
3x16 + 3G2.5		5.7	2.1	0.7	0.7	20.0	925	1.21	7.98	100			
3x25 + 3G4		6.9	2.9	0.9	0.7	25.0	1350	0.78	4.95	127			
3x35 + 3G6		7.9	3.2	0.9	0.7	27.0	1760	0.554	3.30	158			
3x50 + 3G10		9.4	4.4	1.0	0.7	33.0	2550	0.386	1.91	192			
3x70 + 3G10		11.6	4.4	1.1	0.7	37.0	3210	0.272	1.91	246			
3x95 + 3G16		12.9	5.7	1.1	0.7	42.0	4110	0.206	1.21	298			
3x120 + 3G16		14.8	5.7	1.2	0.7	45.0	4925	0.161	1.21	346			
3x150 + 3G25		16.2	6.9	1.4	0.9	48.0	6200	0.129	0.78	399			
3x185 + 3G35		17.5	7.9	1.6	0.9	53.0	7500	0.106	0.554	456			
3x240 + 3G50		19.8	9.4	1.7	1.0	61.0	9610	0.0801	0.386	538			