

# 2YSLCYK - 2XSLCYK- 0.6/1kV

[D] CPR Eca

Model Product: 597-598 - 20240826



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 casual 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/mm<sup>2</sup>

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

Minimum installation and laying temperature: 0°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) or transparent (2YSLCY) Black (2XSLCYK) or transparent (2XSLCY)

## 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