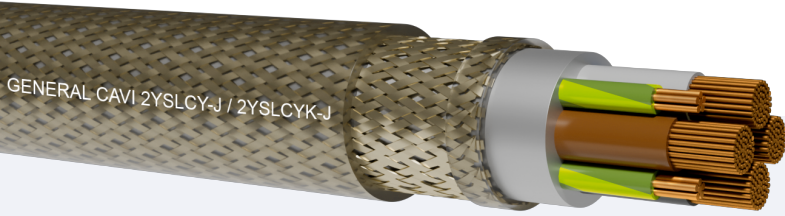


2YSLCY-J / 2YSLCYK-J

[D]

Model Product: 597-598 - 20160421



Class 5 flexible copper conductor.
PE Insulation
Screens: aluminium foil (covered 100%), tinned copper braiding (covered 85%)
Special Outer sheath PVC.

STANDARDS

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 casual movement in dry, humid and wet environments outdoor - use (2YSLCYK-J only).

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

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-J) or transparent (2YSLCY-J)

INK MARKING

"year-GENERAL CAVI 2YSLCY-J-n°cores x sect." (transparent sheath)
OR "year-GENERAL CAVI 2YSLCYK-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

2YSLCY-J / 2YSLCYK-J

[D]

Model Product: 597-598 - 20160421

2YSLCY-J

| Cores number and section (N° x mm²) | Approx conductor diameter (mm) | Insulation medium thickness (mm) | Approx external production diameter (mm) | Approx cable weight (kg/km) | Electris resistance at 20°C (Ohm/km) | Current carrying capacities amb. temp. in air or pipe (A) |
|--|-----------------------------------|--|--|--------------------------------|---|---|
| Multicores | | | | | | |
| 4 x 1.5 | 1.8 | 0.7 | 12.0 | 217 | 13.3 | 19 |
| 4 x 2.5 | 2.1 | 0.7 | 13.0 | 270 | 7.98 | 25 |
| 4 x 4 | 2.9 | 0.7 | 15.0 | 362 | 4.95 | 33 |
| 4 x 6 | 3.2 | 0.7 | 16.0 | 447 | 3.30 | 43 |
| 4 x 10 | 4.4 | 0.7 | 20.0 | 718 | 1.91 | 60 |
| 4 x 16 | 5.7 | 0.7 | 23.0 | 1005 | 1.21 | 80 |
| 4 x 25 | 6.9 | 0.9 | 26.0 | 1410 | 0.780 | 105 |
| 4 x 35 | 7.9 | 0.9 | 29.0 | 1950 | 0.554 | 132 |
| 4 x 50 | 9.4 | 1.0 | 34.0 | 2700 | 0.386 | 168 |
| 4 x 70 | 11.6 | 1.1 | 39.0 | 3600 | 0.272 | 196 |
| 4 x 95 | 12.9 | 1.1 | 42.0 | 4500 | 0.206 | 235 |
| 4 x 120 | 14.8 | 1.2 | 48.0 | 5600 | 0.161 | 289 |
| 4 x 150 | 16.2 | 1.4 | 53.0 | 6895 | 0.129 | 335 |
| 4 x 185 | 17.5 | 1.6 | 58.0 | 8270 | 0.106 | 385 |
| 4 x 240 | 19.8 | 1.8 | 65.0 | 10715 | 0.0801 | 453 |

2YSLCY-J / 2YSLCYK-J

[D]

Model Product: 597-598 - 20160421

2YSLCYK-J

| 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 or pipe |
|----------------|---------|---------------------------|----------------------------------|------------------------------|------------------------------------|--------------------------|---------------------|-------------------------------|----------------------------------|---|
| (N°) | (mm²) | (mm) | (mm) | (mm) | (mm) | (mm) | (kg/km) | (Ohm/km) | (Ohm/km) | (A) |
| Multicores | | | | | | | | | | |
| 3x1.5 + 3x0.25 | | 1.8 | - | 0.7 | 0.6 | 12.0 | 215 | 13.3 | - | 18 |
| 3x2.5 + 3x0.5 | | 2.1 | 0.85 | 0.7 | 0.6 | 13.0 | 265 | 7.98 | 39.0 | 26 |
| 3x4 + 3x0.75 | | 2.9 | 1.2 | 0.7 | 0.6 | 15.0 | 350 | 4.95 | 26.0 | 34 |
| 3x6 + 3x1 | | 3.2 | 1.3 | 0.7 | 0.7 | 16.0 | 430 | 3.30 | 19.5 | 44 |
| 3x10 + 3x1.5 | | 4.4 | 1.8 | 0.7 | 0.7 | 21.0 | 695 | 1.91 | 13.3 | 61 |
| 3x16 + 3x2.5 | | 5.7 | 2.1 | 0.7 | 0.7 | 24.0 | 925 | 1.21 | 7.98 | 82 |
| 3x25 + 3x4 | | 6.9 | 2.9 | 0.9 | 0.7 | 28.0 | 1350 | 0.78 | 4.95 | 108 |
| 3x35 + 3x6 | | 7.9 | 3.2 | 0.9 | 0.7 | 30.0 | 1760 | 0.554 | 3.30 | 135 |
| 3x50 + 3x10 | | 9.4 | 4.4 | 1.0 | 0.7 | 35.0 | 2550 | 0.386 | 1.91 | 168 |
| 3x70 + 3x10 | | 11.6 | 4.4 | 1.1 | 0.7 | 39.0 | 3210 | 0.272 | 1.91 | 207 |
| 3x95 + 3x16 | | 12.9 | 5.7 | 1.1 | 0.7 | 42.0 | 4110 | 0.206 | 1.21 | 250 |
| 3x120 + 3x16 | | 14.8 | 5.7 | 1.2 | 0.7 | 47.0 | 4925 | 0.161 | 1.21 | 292 |
| 3x150 + 3x25 | | 16.2 | 6.9 | 1.4 | 0.9 | 52.0 | 6200 | 0.129 | 0.78 | 335 |
| 3x185 + 3x35 | | 17.5 | 7.9 | 1.6 | 0.9 | 57.0 | 7500 | 0.106 | 0.554 | 382 |
| 3x240 + 3x50 | | 19.8 | 9.4 | 1.7 | 1.0 | 62.0 | 9610 | 0.0801 | 0.386 | 453 |