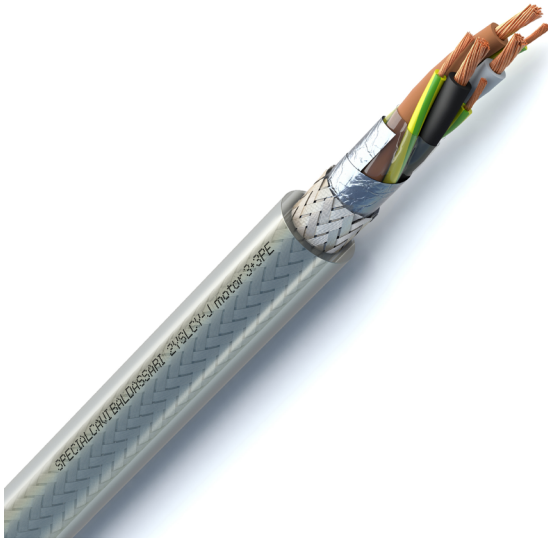




## 2YSLCY-J MOTOR | 3+3PE

Marking: &lt;meters&gt; CE 0987 SPECIALCAVI BALDASSARI 2YSLCY-J &lt;formation&gt; &lt;lot&gt; &lt;year&gt; ECA



### MANUFACTURING CHARACTERISTICS

**Core:**

Flexible bare copper conductor, class 5

**Insulation:**

PE compound

**Stranding:**

Cores stranded in concentric layers

**Wrapping and protection:**

Overall polyester tape

**Screen:**

1st screen: Overall aluminium/polyester tape

2nd screen: Overall tinned copper braid

**Outer sheath:**

Flame retardant PVC compound

**Colours:***Cores identification:*

Brown + Black + Grey + 3 x Green/Yellow

*Outer sheath colour:*

Transparent

### ELECTRICAL CHARACTERISTICS

**Nominal voltage:** 0.6/1kV**Max operating voltage:** 1.8kV D.C and 1.2kV A.C**Testing voltage:** 4000V

### APPLICATIONS

Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.

Screened cable characterized by its special construction, used to power motors with frequency converters when full electromagnetic compatibility (EMC) is required.

The symmetrical construction of the cable (3 + 3PE) ensures the symmetry of the supply voltages on the motor terminals. Suitable for both static and dynamic connections (occasional movement) in industrial plants, process lines and machines operating in dry environments.

**The cable must be protected from water and moisture.**

Underground laying is not permitted even if protected.



### STANDARDS

IEC 60228

EN 50363

### REACTION TO FIRE CLASS

EN 50575:2016 E<sub>ca</sub>

### TEMPERATURES

**Minimum working temperature:**

- Fixed laying -25°C
- Occasional mobile laying w/o stress -5°C

**Maximum working temperature:**

- Fixed laying +70°C
- Occasional mobile laying w/o stress +70°C

**Maximum short circuit temperature:** +160°C

### LAYING CONDITIONS



Minimum installation temperature -5°C

Min. bending radius:  
d8 (fixed laying)  
d15 (occasional mobile laying)Max tensile stress:  
50N/mm<sup>2</sup> (during installation)  
15N/mm<sup>2</sup> (static stress)

Fixed laying



Occasional mobile laying w/o stress



In open air



In duct or cable tray



The cable must be protected against water and humidity

### ON REQUEST

- Customized cores identification

**2YSLCY-J** MOTOR | 3+3PE

PART NUMBER [n°]	FORMATION [n° x mm <sup>2</sup> ]	OUTER DIAMETER <sup>1</sup> [mm]	WEIGHT <sup>1</sup> [kg/km]	MAX PHASE CONDUCTOR RESISTANCE AT 20°C [Ohm/km]	MAX GROUND CONDUCTOR RESISTANCE AT 20°C [Ohm/km]
*2CYY150003	3 X 1.50 + 3 G 0.25	10.4	161	13.30	75.00
*2CYY250003	3 X 2.50 + 3 G 0.50	11.3	202	7.98	39.00
*2CYY400003	3 X 4.00 + 3 G 0.75	13.2	293	4.95	26.00
*2CYY600003	3 X 6.00 + 3 G 1.00	14.4	376	3.30	19.50
*2CYY1000003	3 X 10.00 + 3 G 1.50	17.1	562	1.91	13.30
*2CYY160003	3 X 16.00 + 3 G 2.50	19.4	803	1.21	7.98
*2CYY250003	3 X 25.00 + 3 G 4.00	23.9	1208	0.78	4.95
*2CYY350003	3 X 35.00 + 3 G 6.00	25.5	1590	0.554	3.30
*2CYY500003	3 X 50.00 + 3 G 10.00	30.2	2263	0.386	1.91
*2CYY700003	3 X 70.00 + 3 G 10.00	33.8	2950	0.272	1.91
*2CYY950003	3 X 95.00 + 3 G 16.00	37.8	3979	0.206	1.21
*2CYY1200003	3 X 120.00 + 3 G 16.00	42.4	4858	0.161	1.21
*2CYY1500003	3 X 150.00 + 3 G 25.00	47.4	6204	0.129	0.780
*2CYY1850003	3 X 185.00 + 3 G 35.00	51.9	7678	0.106	0.554
*2CYY2400003	3 X 240.00 + 3 G 42.50	60.1	9886	0.0801	0.457

<sup>1</sup> According to in-stock availability, cable which must be produced on request and minimum quantity  
<sup>2</sup> Unless otherwise specified, the values for weight and diameter are indicative.  
Note: other values, if available and released for publication, are available on request.