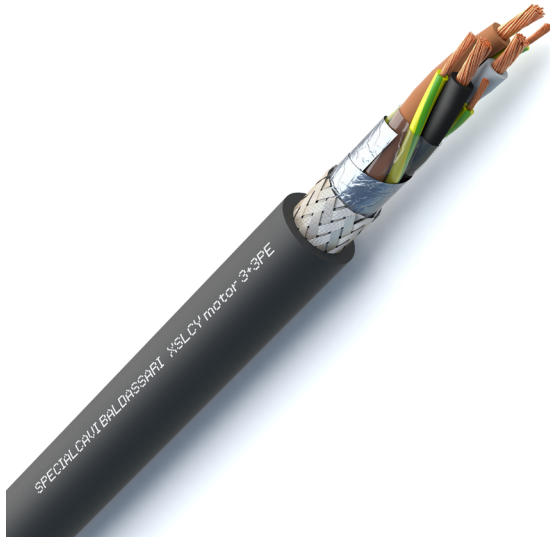




# XSLCY-J MOTOR | 3+3PE

Marking: &lt;meters&gt; CE 0987 SPECIALCAVI BALDASSARI XSLCY-J &lt;formation&gt; IEC 60332-3-24 &lt;lot&gt; &lt;year&gt; CCA-S3,D0,A3



## MANUFACTURING CHARACTERISTICS

**Core:**

Flexible bare copper conductor, class 5

**Insulation:**

Cross-linked LSZH compound

**Stranding:**

Cores twisted 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:*

Black (based on RAL 9005)

## 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 and humid environments.

Direct or indirect underground laying is permitted.

## STANDARDS

IEC 60228  
IEC 60332-3-24 Cat.C  
EN 50363

## REACTION TO FIRE CLASS

EN 50575:2016 C<sub>ca</sub> - s3, d0, a3

## TEMPERATURES

**Minimum working temperature:**

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

**Maximum working temperature:**

- Fixed laying +90°C
- Occasional mobile laying w/o stress +90°C

**Maximum short circuit temperature:** +250°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



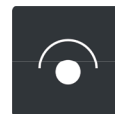
In open air



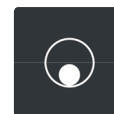
In duct or cable tray



In buried trough



Buried with protection



In buried duct



Directly buried

## ON REQUEST

- Customized cores identification/outer sheath colour



# XSLCY-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]
*2CZYK150003	3 X 1.50 + 3 G 0.25	10.3	164	13.30	75.00
*2CZYK250003	3 X 2.50 + 3 G 0.50	11.4	212	7.98	39.00
*2CZYK400003	3 X 4.00 + 3 G 0.75	13.3	306	4.95	26.00
*2CZYK600003	3 X 6.00 + 3 G 1.00	14.5	391	3.30	19.50
*2CZYK100003	3 X 10.00 + 3 G 1.50	17.1	579	1.91	13.30
*2CZYK160003	3 X 16.00 + 3 G 2.50	19.6	827	1.21	7.98
*2CZYK250003	3 X 25.00 + 3 G 4.00	23.0	1219	0.780	4.95
*2CZYK350003	3 X 35.00 + 3 G 6.00	25.8	1631	0.554	3.30
*2CZYK500003	3 X 50.00 + 3 G 10.00	30.3	2307	0.386	1.91
*2CZYK700003	3 X 70.00 + 3 G 10.00	34.5	3042	0.272	1.91
*2CZYK950003	3 X 95.00 + 3 G 16.00	38.8	4100	0.206	1.21
*2CZYK1200003	3 X 120.00 + 3 G 16.00	44.1	5039	0.161	1.21
*2CZYK1500003	3 X 150.00 + 3 G 25.00	47.6	6325	0.129	0.780
*2CZYK1850003	3 X 185.00 + 3 G 35.00	52.8	7884	0.106	0.554
*2CZYK2400003	3 X 240.00 + 3 G 42.50	60.3	10104	0.0801	0.457

\* According to in-stock availability, cable which must be produced on request and minimum quantity

<sup>1</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.