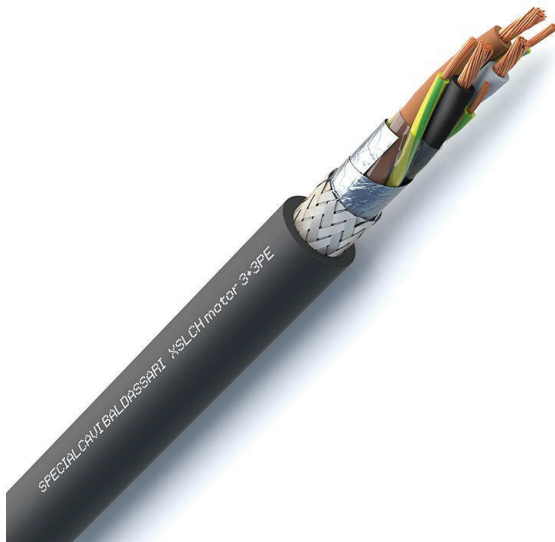


**XSLCH-J MOTOR | 3+3PE**

Marking: &lt;meters&gt; CE 0987 SPECIALCAVI BALDASSARI XSLCH-J &lt;formation&gt; IEC 60332-3-24 &lt;lot&gt; &lt;year&gt; CCA-S1A,D0,A1



## MANUFACTURING CHARACTERISTICS

**Conductor:**

Flexible bare copper, class 5

**Insulation:**

Cross-linked LSZH compound

**Stranding:**

Cores stranded in concentric layers

**Wrapping and protection:**

Overall polyester tape

**Shield:***1st shield:*

Overall aluminium/polyester tape

*2nd shield:*

Overall tinned copper braid

**Outer sheath:**

LSZH thermoplastic compound

**Colours:***Cores identification:*

Brown + Black + Grey + 3 x Green/Yellow

*Outer sheath colour:*

Black (based on RAL 9005)

## ELECTRICAL CHARACTERISTICS

**Nominal operating voltage:** 0.6/1kV**Maximum 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.**

Shielded LSZH 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. The cable, made entirely of halogen-free materials, does not emit harmful substances in the event of a fire.

Suitable for both static and dynamic connections (occasional movement) in industrial plants, process lines and machines operating in dry or damp environments.

**If stored outdoors, the cable must be protected from UV rays.****Direct or indirect underground laying is permitted (presence of water conduction AD7).**

## STANDARDS

IEC 60228

IEC 60332-3-24 Cat.C

## REACTION TO FIRE CLASS

**EN 50575:2016 C<sub>ca</sub> - s1a, d0, a1**

## TEMPERATURES

**Minimum working temperature:**

- Fixed laying -40°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)

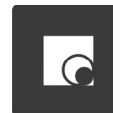
Fixed laying



Occasional mobile laying w/o stress



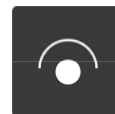
In open air



In duct or cable tray



In buried trough



Buried with protection



In buried duct



Directly buried



The cable stored outside must be protected from UV rays

## ON REQUEST

- Customized cores identification/outer sheath colours

**XSLCH-J** MOTOR | 3+3PE

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX PHASE CONDUCTOR RESISTANCE AT 20°C	MAX GROUND CONDUCTOR RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]	[Ohm/km]
*2CZHK15003	3 X 1.50 + 3 G 0.25	10.3	167	13.30	75.00
*2CZHK25003	3 X 2.50 + 3 G 0.50	11.4	216	7.98	39.00
*2CZHK40003	3 X 4.00 + 3 G 0.75	13.3	311	4.95	26.00
*2CZHK60003	3 X 6.00 + 3 G 1.00	14.5	397	3.30	19.50
*2CZHK100003	3 X 10.00 + 3 G 1.50	17.1	586	1.91	13.30
*2CZHK160003	3 X 16.00 + 3 G 2.50	19.6	835	1.21	7.98
*2CZHK250003	3 X 25.00 + 3 G 4.00	23.0	1230	0.780	4.95
*2CZHK350003	3 X 35.00 + 3 G 6.00	25.8	1644	0.554	3.30
*2CZHK500003	3 X 50.00 + 3 G 10.00	30.3	2324	0.386	1.91
*2CZHK700003	3 X 70.00 + 3 G 10.00	34.5	3063	0.272	1.91
*2CZHK950003	3 X 95.00 + 3 G 16.00	38.8	4126	0.206	1.21
*2CZHK1200003	3 X 120.00 + 3 G 16.00	44.1	5071	0.161	1.21
*2CZHK1500003	3 X 150.00 + 3 G 25.00	47.6	6362	0.129	0.780
*2CZHK1850003	3 X 185.00 + 3 G 35.00	52.8	7928	0.106	0.554
*2CZHK2400003	3 X 240.00 + 3 G 42.50	60.3	10161	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.