



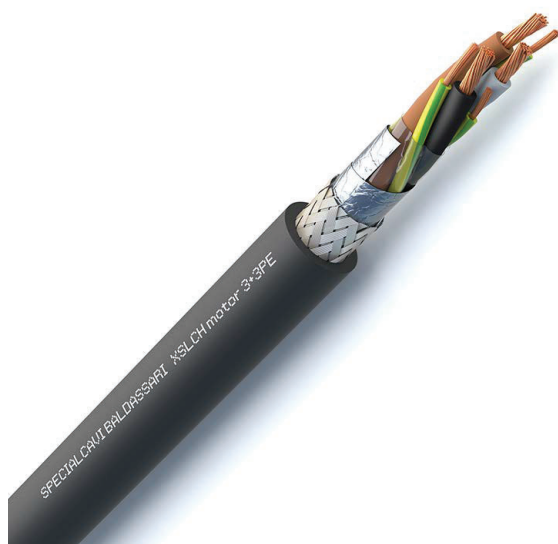
SPECIALCAVI BALDASSARI

POWER, CONTROL AND SIGNALLING

# XSLCH-J MOTOR | 3+3PE



Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI XSLCH-J <formation> IEC 60332-3-24 <lot> <year> 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:** 18kV D.C and 1.2kV AC

**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.**

## 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/mm² (during installation)  
15N/mm² (static stress)



Fixed laying



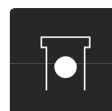
Occasional mobile laying w/o stress



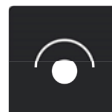
In open air



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 mm²]	[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.