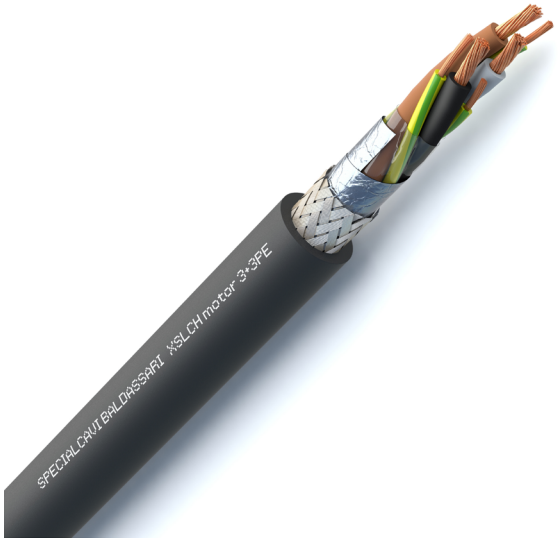
SPECIALCAVI **BALDASSARI**

POWER, CONTROL AND SIGNALLING

XSLCH-J MOTOR | 3+3PE LSZH

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI XSLCH-J <formation> IEC 60332-3-24 <lot> <year> B2CA-S1A,D0,A1



MANUFACTURING CHARACTERISTICS

Core:
Flexible bare copper conductor, class 5
Insulation:
Cross-linked LSZH 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:
LSZH thermoplastic 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

STANDARDS

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

REACTION TO FIRE CLASS

EN 50575:2016 $B2_{ca}$ - s1a, d0, a1

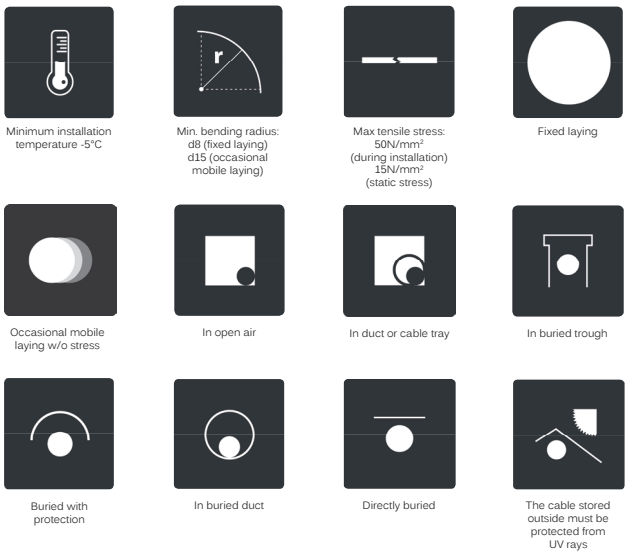
TEMPERATURES

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



ON REQUEST

- Customized cores identification/outer sheath colour

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 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 and humid environments.
If stored outdoors, the cable must be protected from UV rays.
Direct or indirect underground laying is permitted.

XSLCH-J MOTOR | 3+3PE

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX PHASE CONDUCTOR RESISTANCE AT 20°C [Ohm/km]	MAX GROUND CONDUCTOR RESISTANCE AT 20°C [Ohm/km]
*2CZUK15003	3 X 1.50 + 3 G 0.25	10.3	167	13.30	75.00
*2CZUK25003	3 X 2.50 + 3 G 0.50	11.4	216	7.98	39.00
*2CZUK40003	3 X 4.00 + 3 G 0.75	13.3	311	4.95	26.00
*2CZUK60003	3 X 6.00 + 3 G 1.00	14.5	397	3.30	19.50
*2CZUK100003	3 X 10.00 + 3 G 1.50	17.1	586	1.91	13.30
*2CZUK160003	3 X 16.00 + 3 G 2.50	19.6	835	1.21	7.98
*2CZUK250003	3 X 25.00 + 3 G 4.00	23.0	1230	0.780	4.95
*2CZUK350003	3 X 35.00 + 3 G 6.00	25.8	1644	0.554	3.30
*2CZUK500003	3 X 50.00 + 3 G 10.00	30.3	2324	0.386	1.91
*2CZUK700003	3 X 70.00 + 3 G 10.00	34.5	3063	0.272	1.91
*2CZUK950003	3 X 95.00 + 3 G 16.00	38.8	4126	0.206	1.21
*2CZUK1200003	3 X 120.00 + 3 G 16.00	44.1	5071	0.161	1.21
*2CZUK1500003	3 X 150.00 + 3 G 25.00	47.6	6362	0.129	0.780
*2CZUK1850003	3 X 185.00 + 3 G 35.00	52.8	7928	0.106	0.554
*2CZUK2400003	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
[1] Unless otherwise specifed, the values for weight and diameter are indicative.
Note: other values, if available and released for publication, are available on request.