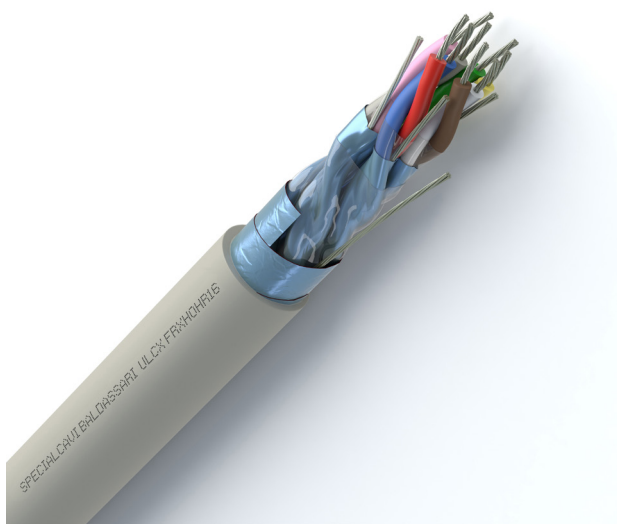




ULCX FRXHOHR16

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI ULCX FRXHOHR16 <formation> 450/750V IEC 60332-3-24 <lot> <year> CCA-S2,D0,A3



MANUFACTURING CHARACTERISTICS

Conductor:

Flexible tinned copper

Insulation:

PVC compound, R2 type

Stranding:

Cores twisted in pairs

Pairs stranded in concentric layers

Wrapping and protection:*1° wrapping and protection:*

Polyester tape on single pair

2° wrapping and protection:

Overall polyester tape

Shield:*1° shield:*

Aluminium/polyester tape on single pair with flexible tinned copper drain-wire

2° shield:

Overall aluminium/polyester tape with flexible tinned copper drain-wire

Outer sheath:

PVC compound, R16 type

Colours:*Cores identification:*

DIN 47100

Outer sheath colour:

Grey (based on RAL 7035)

STANDARDS

CEI 20-29 IEC 60228

CEI 20-11

CEI EN 60332-3-24 Cat.C IEC 60332-3-24 Cat.C

CEI UNEL 36762

REACTION TO FIRE CLASS

EN 50575:2016 C_{ca} - s2, d0, a3

TEMPERATURES

Minimum working temperature: -15°C

Maximum working temperature: +70°C

Maximum short circuit temperature: +160°C

LAYING CONDITIONS



Minimum installation temperature 0°C



Min. bending radius d10

Max tensile stress: 50 N/mm² of the copper cross-section

Fixed laying



In duct or cable tray



In open air

ELECTRICAL CHARACTERISTICS

Operating voltage: 300/300V**Outer sheath operating voltage:** 450/750V**Testing voltage:** 1500V**Min. insulation resistance at 20°C > 100 MΩxKm**

ON REQUEST

- Galvanized steel braid armour with 450/750V insulation voltage outer sheath
- Outer sheath with 0.6/1kV voltage for laying outdoors or in buried cable trays
- Customized cores identification/outer sheath colours

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.

Multipair cable shielded on the single pair and overall, suitable for electronic, data transmission between central and peripheral units through ports (RS232) and for interconnections between devices where a high quality of the transmitted signals is required.

This cable can always be installed in coexistence with 450/750V power cables. Furthermore, if it's used to supply power to category 0 systems (nominal voltage less than or equal to 50V AC, or 120V non-inverted DC), it can also be installed in coexistence with 0.6/1kV power cables that supply 230/400V nominal voltage loads.

Underground laying is not permitted, even if protected.

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PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER ¹ [mm]	WEIGHT ¹ [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]	CAPACITANCE		INDUCTANCE L [μH/m]
					C _c [pF/m]	C _s	
ULCXZ02	2 X 2 X AWG24	6.5	39	85.00	110	200	0.95
ULCXZ03	3 X 2 X AWG24	6.9	48	85.00	110	200	0.95
ULCXZ04	4 X 2 X AWG24	7.5	56	85.00	110	200	0.95
*ULCXZ05	5 X 2 X AWG24	8.7	68	85.00	110	200	0.95
*ULCXZ06	6 X 2 X AWG24	9.4	76	85.00	110	200	0.95
*ULCXZ08	8 X 2 X AWG24	10.5	97	85.00	110	200	0.95
*ULCXZ10	10 X 2 X AWG24	12.1	118	85.00	110	200	0.95
*ULCXZ12	12 X 2 X AWG24	12.5	132	85.00	110	200	0.95

C_c: approx. cond./cond. of the pair capacitance, measured at 800 kHz frequency between two cores of the pair, leaving the other terminals not involved in the test floating

C_s: approx. cond./shield of the pair capacitance, measured at 800 kHz frequency between one core of the pair and the shield, leaving the other terminals not involved in the test floating

L: approx. pair inductance, measured at 800 kHz frequency between two cores of the pair in short circuit, leaving the other terminals not involved in the test floating

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

¹ Unless otherwise specified, the values for weight and diameter are indicative.

Note: other values, if available and released for publication, are available on request.