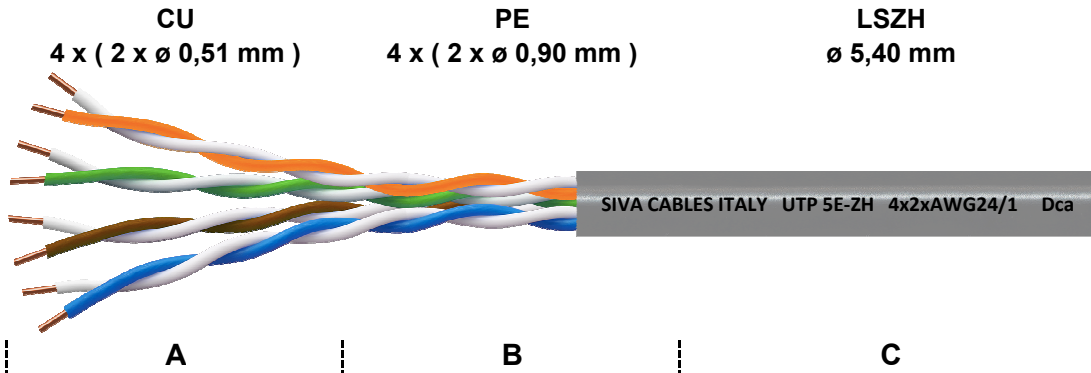


U/UTP 5E - ZH 4x2xAWG24/1

Class CPR **D_{ca}**

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	4 x (2 x \varnothing 0,51 mm)
B	INSULATION	LOW DENSITY POLYETHYLENE	4 x (2 x \varnothing 0,90 mm)
	- COLOUR	WHITE/BLUE - BLUE	WHITE/ORANGE - ORANGE
		WHITE/GREEN - GREEN	WHITE/BROWN - BROWN
C	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	\varnothing 5,40 \pm 0,30 mm
	- COLOUR	GREY - RAL 7001	
	- PRINTING		

MINIMUM BENDING RADIUS (mm)

- INSTALLATION	20 mm
- OPERATING	40 mm

CABLE WEIGHT (Kg/Km)

- COPPER	15,2
- PLASTIC	17,6
- TOTAL	32,8

TEMPERATURE RANGE -15 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE (@ 100 MHz)	100 \pm 10 Ohm	RESISTANCE	
CAPACITANCE (@ 800 Hz)	48 pF/m	- DC CONDUCTOR	95 Ohm/Km
VELOCITY RATIO	69%	- LOOP	190 Ohm/Km
COUPLING	>45 dB	- INSULATION (500 V)	>2000 Mohm/Km
ATTENUATION (30÷100 MHz)		SHEATH INSULATION VOLTAGE	1 kV

TRANSMISSION PROPERTIES at 20°C

		ATTENUATIONS dB/100 m.	RL dB	NEXT dB	ACR-N dB/100 m.
1	MHz	1,9	20,0	71,0	69,1
10	MHz	6,0	25,0	56,0	50,0
20	MHz	8,5	25,0	51,0	42,5
31,2	MHz	10,7	24,0	49,0	38,3
62,5	MHz	15,7	22,0	44,0	28,3
100	MHz	19,8	20,0	41,0	21,2
155,5	MHz	24,2	15,0	38,0	13,8
200	MHz	27,5	15,0	36,0	8,5
250	MHz	29,2	15,0	35,0	5,8
300	MHz	32,0	15,0	34,0	2,0

The producer reserves himself to make modification on the item without any notice.