

U/UTP 6 ZH 4x2xAWG23/1

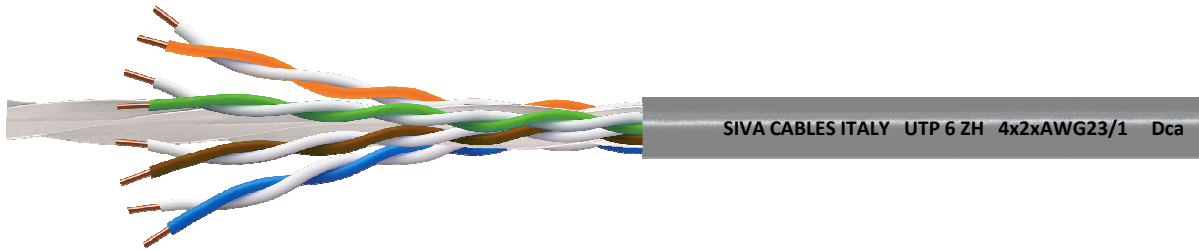
LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS

Class CPR **D_{ca}**

CU
4 x (2 x ø 0,57 mm)

PE
4 x (2 x ø 1,00 mm)

LSZH
ø 6,20 mm



SIVA CABLES ITALY UTP 6 ZH 4x2xAWG23/1 Dca

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	4 x (2 x ø 0,57 mm)
B	INSULATION	LOW DENSITY POLYETHYLENE	4 x (2 x ø 1,00 mm)
	- COLOUR	WHITE/BLUE - BLUE WHITE/GREEN - GREEN	WHITE/ORANGE - ORANGE WHITE/BROWN - BROWN
C	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 6,20 ± 0,30 mm
	- COLOUR	GREY - RAL 7001	
	- PRINTING		

MINIMUM BENDING RADIUS (mm)

- INSTALLATION	35 mm
- OPERATING	70 mm

TEMPERATURE RANGE -15 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	18,4
- PLASTIC	24,1
- TOTAL	42,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE (@ 100 MHz)	100 ± 10 Ohm
CAPACITANCE (@ 800 Hz)	48 pF/m
VELOCITY RATIO	69%
COUPLING	>45 dB
ATTENUATION (30÷100 MHz)	

RESISTANCE	
- DC CONDUCTOR	80 Ohm/Km
- LOOP	160 Ohm/Km
- INSULATION (500 V)	>5000 Mohm/Km
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	1,8	25,0	100,0	98,2
10 MHz	5,4	25,0	80,0	74,6
20 MHz	7,7	25,0	70,0	62,3
31,2 MHz	9,6	25,0	65,0	55,4
62,5 MHz	13,7	25,0	60,0	43,3
100 MHz	17,4	25,0	60,0	42,6
155,5 MHz	21,9	25,0	55,0	33,1
200 MHz	25,0	20,0	55,0	30,0
250 MHz	28,1	20,0	50,0	21,9
300 MHz	30,8	20,0	45,0	14,2

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