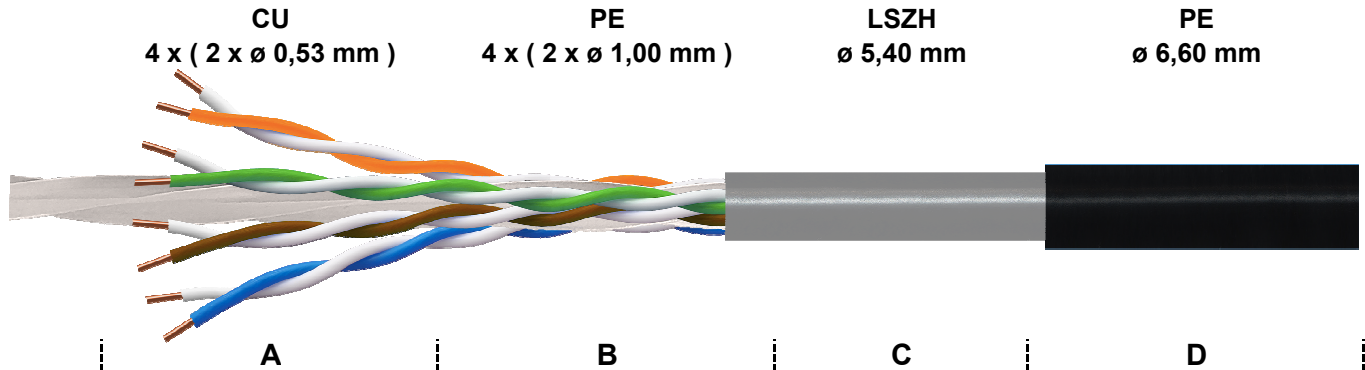


U/UTP 6 G4 PE 4x2xAWG24/1

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS

Class CPR **F_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	4 x (2 x \varnothing 0,53 mm)
B	INSULATION	LOW DENSITY POLYETHYLENE	4 x (2 x \varnothing 1,00 mm)
	- COLOUR	WHITE/BLUE - BLUE		WHITE/ORANGE - ORANGE
		WHITE/GREEN - GREEN		WHITE/BROWN - BROWN
C	1° SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS		\varnothing 5,40 \pm 0,30 mm
	- COLOUR	GREY - RAL 7001		
D	2° SHEATH	CARBON BLACK POLYETHYLENE	\varnothing 6,60 \pm 0,30 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING			

MINIMUM BENDING RADIUS (mm)

- INSTALLATION	35 mm
- OPERATING	70 mm

CABLE WEIGHT (Kg/Km)

- COPPER	16,0
- PLASTIC	33,0
- TOTAL	49,0

TEMPERATURE RANGE -40 °C / +75 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE (@ 100 MHz)	100 \pm 10 Ohm	RESISTANCE	
CAPACITANCE (@ 800 Hz)	48 pF/m	- DC CONDUCTOR	90 Ohm/Km
VELOCITY RATIO	69%	- LOOP	160 Ohm/Km
COUPLING	>45 dB	- INSULATION (500 V)	>5000 Mohm/Km
ATTENUATION (30÷100 MHz)		SHEATH INSULATION VOLTAGE	3 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.