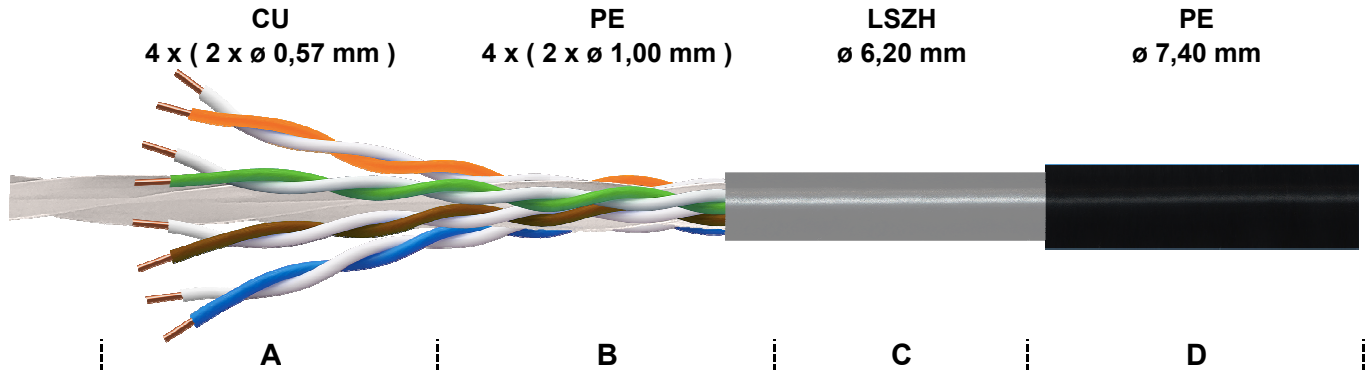


# U/UTP 6 G4 PE 4x2xAWG23/1

Class CPR **F<sub>ca</sub>**

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	<b>4 x ( 2 x <math>\varnothing</math> 0,57 mm )</b>
<b>B</b>	<b>INSULATION</b>	LOW DENSITY POLYETHYLENE	.....	<b>4 x ( 2 x <math>\varnothing</math> 1,00 mm )</b>
	- COLOUR	WHITE/BLUE - BLUE		WHITE/ORANGE - ORANGE
		WHITE/GREEN - GREEN		WHITE/BROWN - BROWN
<b>C</b>	<b>1° SHEATH</b>	FLAME RETARDANT NON-CORROSIVE		<b><math>\varnothing</math> 6,20 <math>\pm</math> 0,30 mm</b>
	- COLOUR	THERMOPLASTIC FREE OF HALOGENS		
		<b>GREY - RAL 7001</b>		
<b>D</b>	<b>2° SHEATH</b>	CARBON BLACK POLYETHYLENE	.....	<b><math>\varnothing</math> 7,40 <math>\pm</math> 0,30 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING			

### MINIMUM BENDING RADIUS ( mm )

- INSTALLATION	35 mm
- OPERATING	70 mm

### CABLE WEIGHT ( Kg/Km )

- COPPER	18,4
- PLASTIC	36,4
- TOTAL	54,8

TEMPERATURE RANGE -40 °C / +75 °C

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE ( @ 100 MHz )</b>	100 $\pm$ 10 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE ( @ 800 Hz )</b>	48 pF/m	- DC CONDUCTOR	80 Ohm/Km
<b>VELOCITY RATIO</b>	69%	- LOOP	160 Ohm/Km
<b>COUPLING</b>	>45 dB	- INSULATION ( 500 V )	>5000 Mohm/Km
<b>ATTENUATION ( 30÷100 MHz )</b>		<b>SHEATH INSULATION VOLTAGE</b>	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.