

U/UTP 6 PE 4x2xAWG24/1

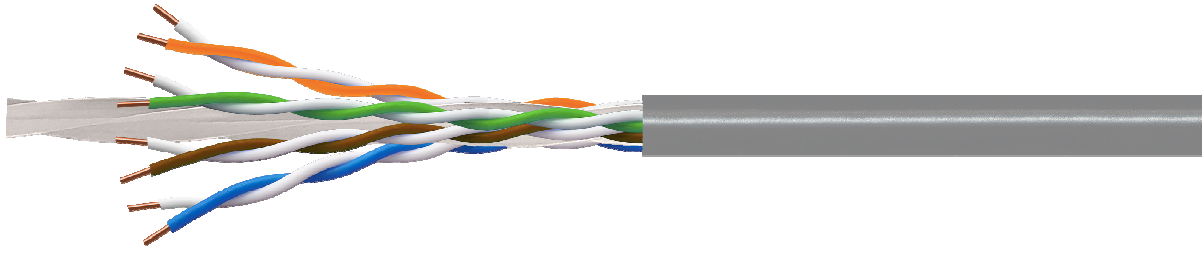
Class CPR **F_{ca}**

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS

CU
4 x (2 x ø 0,53 mm)

PE
4 x (2 x ø 1,00 mm)

PE
ø 5,40 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	4 x (2 x ø 0,53 mm)
B	INSULATION	LOW DENSITY POLYETHYLENE	4 x (2 x ø 1,00 mm)
	- COLOUR	WHITE/BLUE - BLUE	WHITE/ORANGE - ORANGE
		WHITE/GREEN - GREEN	WHITE/BROWN - BROWN
C	SHEATH	CARBON BLACK POLYETHYLENE	ø 5,40 ± 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	16,9
- TOTAL	32,9

TEMPERATURE RANGE -40 °C / +75 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE (@ 100 MHz)	100 ± 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	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.