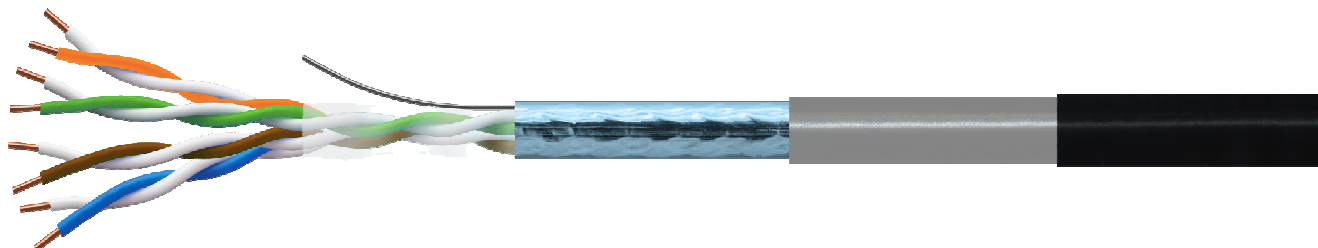


# F/UTP 5E G4 PE 4x2xAWG24/1

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

LOCAL AREA NETWORK CABLE FOR DATA TRANSMISSION IN TWIN SYMMETRICAL PAIRS

<b>CU</b> 4 x ( 2 x ø 0,51 mm )	<b>PE</b> 4 x ( 2 x ø 1,00 mm )	<b>Pet-sp</b> h. 25 mm	<b>CS</b> ø 0,40 mm	<b>LAP</b> ø 4,60 mm	<b>LSZH</b> ø 6,00 mm	<b>PE</b> ø 7,00 mm
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## MECHANICAL DATA

	A	B	C	D	E	F
<b>A INNER CONDUCTOR</b>	PLAIN COPPER					4 x ( 2 x ø 0,51 mm )
<b>B INSULATION</b>	LOW DENSITY POLYETHYLENE					4 x ( 2 x ø 1,00 mm )
- COLOUR	WHITE/BLUE - BLUE	WHITE/GREEN - GREEN			WHITE/ORANGE - ORANGE	WHITE/BROWN - BROWN
<b>C NON-MIGRATING</b>	SPIRAL POLYESTER TAPE					h. 25 mm
<b>D DRAIN WIRE</b>	TINNED COPPER					ø 0,40 mm
<b>E SHIELD</b>	SPIRAL ALUMINIUM + POLYESTER TAPE					h. 20 mm
	COVERAGE					100%
<b>F SHEATH</b>	FLAME RETARDANT NON-CORROSIVE					ø 6,00 ± 0,30 mm
- COLOUR	THERMOPLASTIC FREE OF HALOGENS					
	<b>GREY - RAL 7001</b>					
<b>F SHEATH</b>	CARBON BLACK POLYETHYLENE					ø 7,00 ± 0,30 mm
- COLOUR	<b>BLACK - RAL 9004</b>					
- PRINTING						

### MINIMUM BENDING RADIUS ( mm )

- INSTALLATION	25 mm
- OPERATING	50 mm
<b>TEMPERATURE RANGE</b>	-40 °C / +75 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	16,3
- PLASTIC	32,2
- TOTAL	50,2

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE ( @ 100 MHz )</b>	100 ± 10 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE ( @ 800 Hz )</b>	48 pF/m	- DC CONDUCTOR	95 Ohm/Km
<b>VELOCITY RATIO</b>	69%	- LOOP	190 Ohm/Km
<b>COUPL. ATTN. ( 30÷100 MHz )</b>	>45 dB	- INSULATION ( 500 V )	>2000 Mohm/Km
<b>SCREENING EFFECTIVENESS</b>	>50 dB	<b>SHEATH INSULATION VOLTAGE</b>	1 kV

## TRANSMISSION PROPERTIES at 20°C

	ATTENUATIONS dB/100 m.	RL dB	NEXT dB	ACR-N dB/100 m.	TRANSFER IMPEDANCE Mohm/m.
1 MHz	1,9	20,0	71,0	69,1	<22
10 MHz	6,0	25,0	56,0	50,0	<10
20 MHz	8,5	25,0	51,0	42,5	-
31,2 MHz	10,7	24,0	49,0	38,3	<26
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.