

**GENERAL TECHNICAL DATA :****FTP 5E 4x2x24AWG**

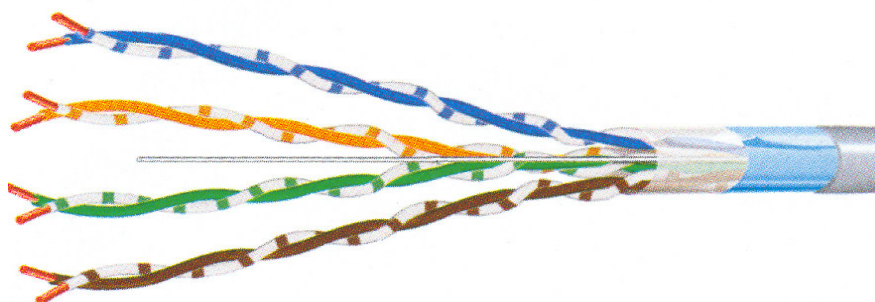
**LAN cable, category 5
Enhanced.
200 MHz tested.**

CU
4 x (2 x $\varnothing$ 0,51 mm)

PE
4 x (2 x $\varnothing$ 1,00 mm)

LAP

PLSF
 $\varnothing$ 6,10 mm

**A****B****C****D****MECHANICAL DATA****DIMENSIONS**

A	Plain copper inners conductor	CU	4 x (2 x $\varnothing$ 0,51 mm)
B	Polyethylene insulations White/blue - blue White/orange - orange	PE White/green - green	4 x (2 x $\varnothing$ 1,00 $\pm$ 0,10 mm) White/brown - brown
C	Aluminium + polyester tape shield Percentage coverage	LAP	100%
D	Low smoke and fume polyvinyl-chloride sheath Sheath's colour : GREY - RAL 7001 Sheath's printing :	PLSF	$\varnothing$ 6,10 $\pm$ 0,30 mm
Temperature range		Copper weight	17,1 Kg/Km
		Cable weight	49,6 Kg/Km

-25 °C / +80 °C

ELECTRICAL PERFORMANCE

Characteristic impedance (1÷100 MHz)	100 $\pm$ 15 Ohm	Test voltage (60 sec.)	700 Vac
Max. DC loop (at 20°C)	16,8 Ohm/100m.	Max. operating voltage	125 V
Mutual capacitance(1 KHz)	49 pF/m	Operating temperature	-10°C / +70°C
Max. capacitance unbalanced (1 KHz)	100 pF/100m.		

FREQUENCY (MHz)	ATTENUATION		CROSSTALK (NEXT)		ACR (dB)
	MAX. ISO/IEC 11801 CATEGORY 5E	UTP	MIN. ISO/IEC 11801 CATEGORY 5E	UTP	
	(dB/100m.)		(dB)		
0,772	1,9	1,6	67,0	77,0	75,4
1	2,1	1,9	65,3	74,0	72,1
4	4,0	3,8	56,3	66,0	62,2
10	6,3	6,0	50,3	59,0	53,0
16	8,0	7,7	47,3	56,0	48,3
20	9,0	8,6	45,8	55,0	46,4
31,25	11,4	10,8	42,9	52,0	41,2
62,5	16,5	15,7	38,4	47,0	31,4
100	21,3	20,0	35,3	44,0	24,0
155,52	-	26,3	-	40,0	13,7
200	-	30,0	-	38,0	8,0

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

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