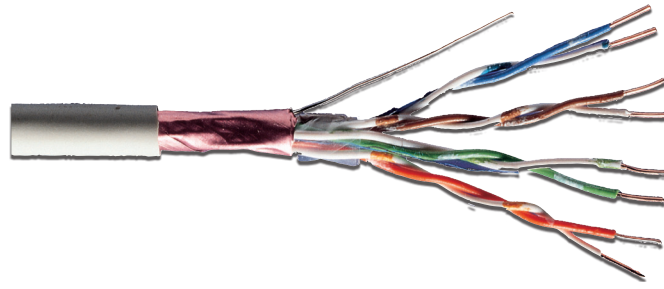


## DIGITUS® CAT 5e F-UTP Twisted Pair Installation Cable

4x2xAWG24 F-UTP CAT 5e 100 MHz installation cable  
 Suitable for building structured cabling in the secondary and tertiary area.  
 For installation of cable lines of class D, 100 MHz.  
 Conforming to ISO/IEC 11801, DIN EN 50173, DIN EN 50288-2-1



Physical Description	
Basic Conductor	solid AWG 24/1, bare annealed copper
Insulation	PE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	blue x white, orange x white, green x white, brown x white
Individual pair shield	none
Overall shield	Aluminium foil, providing 100% coverage, foil face out
Outer jacket	PVC
Color	grey

Electrical Properties	
DC loop resistance	≤ 190Ω km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 2000MΩ *km
Capacitance at 800 Hz	nom. 48 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Characteristic impedance (1-100 MHz)	(100 ± 15) Ω
Nominal velocity of propagation	approx. 67 %
Propagation delay	Nominal ≤ 535 ns/100m
Delay skew	Nominal ≤ 45ns/100m
Test voltage (DC, 1 min) Core/Core	1000 V
Coupling attenuation	≥ 40 dB

Transmission Properties						
FREQ.	Absorbability	NEXT	PS NEXT	ACR	PS-ACR	Return loss
MHz	dB/100m	dB	dB	dB/100m	dB/100m	dB
	Typ	Typ	Typ	Typ	Typ	Typ
1	3	60	57	57	54	19
4	3,9	54,8	51,8	50,9	47,9	19
8	5,5	50	47	44,5	41,5	19
10	6,2	48,5	45,5	42,3	39,3	19
16	7,9	45,2	42,2	37,3	34,3	19
20	8,9	43,7	40,7	34,8	31,8	19
25	10	42,1	39,1	32,1	29,1	18
31,25	11,2	40,5	37,5	29,3	26,3	17,1
62,5	16,2	35,7	32,7	19,4	16,4	14,1
100	21	32,3	29,3	11,3	8,3	12



**241119 / DK-1521-V-1**  
 100m ring, CAT 5e F-UTP Twisted Pair Installation Cable

**241126 / DK-1521-V-305**  
 305m ring, CAT 5e F-UTP Twisted Pair Installation Cable

Please note our cable test equipment from page 143

