
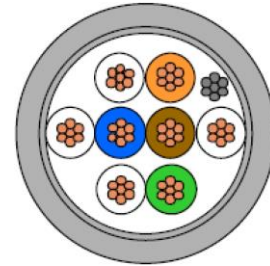


CE6547	DATA SHEET	
Valid from: 17.09.2018	F/UTP Patch cable CAT.5e	

Description

- F/UTP Patch cable CAT.5e
- Li-2Y(St)H 4x2x0,48L (AWG 26)
- 100Ω-data cable ISO/IEC 11801 CAT.5e



General characteristics

Connector	RJ45 Hirose TM11
FRNC-B	IEC 332-1; VDE 0472 detail 804, Check B
Colour	Grey
Outside diameter	5,4 mm

Version

Article	Description	Length	Packing unit
CE6547	F/UTP Patch cable CAT.5e	0,5 m	5
CE6548	F/UTP Patch cable CAT.5e	1,0 m	5
CE6549	F/UTP Patch cable CAT.5e	1,5 m	5
CE6550	F/UTP Patch cable CAT.5e	2,0 m	5
CE6551	F/UTP Patch cable CAT.5e	3,0 m	5
CE6552	F/UTP Patch cable CAT.5e	5,0 m	5
CE6553	F/UTP Patch cable CAT.5e	7,5 m	5
CE6554	F/UTP Patch cable CAT.5e	10,0 m	5
CE6555	F/UTP Patch cable CAT.5e	15,0 m	1
CE6556	F/UTP Patch cable CAT.5e	20,0 m	1

Mechanical characteristics

Attraction	55 N
Bending radius	≥ 20 mm (without tensile load) ≥ 40 mm (with tensile load)
Operating temperature	-20 °C to 60 °C (fixed installation) 0 °C to 50 °C (mobile operation)
Flame retardant	UL 1581 VW 1 Flame Test


Assembly

Conductor	Bare stranded copper wire Ø 0.48 mm (AWG26)
Insulation	Polyethylene, Ø 0,95 mm
Twisting	2 wire to pair
Twisting to core	Pair to core
Overall screen	Aluminium-bonded polyester tape, drain wire AWG26 tin-plated
Outer sheath	FRNC

Creator: MOKO2/PDP	Document: DBCE6547EN	Page 1 of 2
Released: IVSE1/PDP	Version: 02	

We reserve all rights according to DIN ISO 16016.

PD 0019/05_04.18EN

CE6547	DATA SHEET	
Valid from: 17.09.2018	F/UTP Patch cable CAT.5e	

Electrical characteristics (at 20 °C ± 5 °C)

Loop impedance	≤ 260 Ω/km
Resistance asymmetric	≤ 3 %
Insulating resistance (500V)	≥ 2000 MΩ*km
Capacitance at 800 Hz	Nom. 48 nF/km
Capacitance asymmetric (pair/ground)	≤ 1500 pF/km
Characteristic impedance (1-100MHz)	100 ± 15 Ω
Relative velocity of propagation	Ca. 67 %
Propagation delay	≤ 5,35 ns/m
Delay difference	≤ 0,2 ns/m
Test voltage (DC, 1min) wire/wire, wire/shielding	1000V
Transfer resistance	≤ 50 mΩ/m (at 1 MHz) ≤ 100 mΩ/m (at 10 MHz) ≤ 200 mΩ/m (at 30 MHz)

Technical properties acc. CAT.5e (at 20 °C)

Frequency (MHz)	Attenuation (dB/10m) nom.	NEXT (dB)		PS-NEXT (dB)		ELFEXT (dB/10m)		PS-ELFEXT (dB/10m)		RL (dB) min.
		min.	nom.	min.	nom.	min.	nom.	min.	nom.	
1	0.3	65	71	62	68	64	68	61	65	23
4	0.6	56	62	53	59	52	56	49	53	23
10	0.9	50	56	47	53	44	48	41	45	23
16	1.1	47	53	44	50	40	44	37	41	23
20	1.3	46	51	43	48	38	42	35	39	23
31.2	1.6	43	49	40	46	34	38	31	35	23
62.5	2.4	38	44	35	41	28	32	25	29	23
100	3.0	35	41	32	38	24	28	21	25	23
125	3.3		40		37		26		23	
155.5	3.6		38		35		24		21	
175	3.9		37		34		23		20	
200	4.1		36		33		22		19	
250	4.4		35		32		20		17	
300	4.8		34		31		16		13	

Standard

EIA/TIA 568A;
 ISO/IEC 11801 2nd ed.; JTC 1 SC25 WG3 N655;
 EN 50173: CLC/TC215(Sec)94;
 EN 50288-2-2

Application range

Tertiary (horizontal)
 IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
 IEEE 802.5: 16MB; ISDN; FDDI; ATM

Application range

Office area (tertiary section), generic cabling for customer premises

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

Creator: MOKO2/PDP Released: IVSE1/PDP	Document: DBCE6547EN Version: 02	Page 2 of 2
---	-------------------------------------	-------------