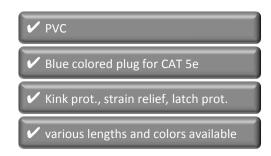


Twisted Pair Patch Cable - Category 5e Class D - U/UTP





Abstract

CAT 5e Class D, U/UTP, Twisted Pair Patch Cable, Cu, PVC, AWG 26/7, various lengths and colors available

Features

- 2x RJ45 (8P8C) connectors
- Boots with kink protection, strain relief and latch protection
- Length marking on boot
- Conductor: Cu (Copper)
- Shielding: U/UTP (unshielded)
- Structure: 4x 2 AWG 26/7, twisted pair
- Sheath: PVCPoE ready

Product Overview

The DIGITUS® Category 5e Class D patch cables are manufactured and tested to the ISO/IEC 11801 and DIN EN 50173 Category 5e specifications. They will guarantee the installed cabling system is compliant with the ISO & EN channel specification requirements and will provide optimum performance levels of DIGITUS® Category 5e cabling. The performance is tested up to 100 MHz inclusive performance characteristics such as near end cross talk ("NEXT").

DIGITUS® patch cables are designed and produced to fulfill the highest requirements of various application areas in full volume.

Each cable is fitted with a molded boot which comes with kink protection and strain relief.

Furthermore the boot is equipped with a latch protection that prevents the latching lever against breaking.

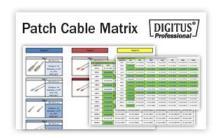
You can easily identify the Category 5e, because of the transparent blue colored connector.

Patch Cable Matrix and Configuration

Patch cables can be wide-ranging. Therefore we prepared a complete overview of our range, which guides you to the cable you require.

One E-Mail or one call will be enough and we will send you the latest version as a PDF file.

You can also check our Patch Cable Configuration tool on our website <u>www.digitus-professional.com</u>





Performance- and Specification Overview

Conductor Stranded AWG 26/7 bare copper, 0.145 ± 0.005 mm

Insulations HD-PE (High Density Polyethylene)

Outer sheath PVC

Overall diameter 4.6 mm ± 0.30 mm

Bending radius 8x OD

RJ45 connector 3μ nominal gold flash over 60 μ nickel undercoat contact pins Color code Orange x White, Green x White, Blue x White, Brown x White

Wiring standard EIA/TIA 568B

Pin assignment 1:1

 Durability
 750 insertion cycles

 Contact resistance
 30 mΩ maximum

 Resistance unbalance
 5% maximum

Dielectric strength2500 VDC for 3 secondsUninsulated resistance150 MΩ/km minimumOperating temperature-20 °C up to +60 °C

NVP 69%

Typical applications IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T

Norms ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-2

Colors Various colors available on request

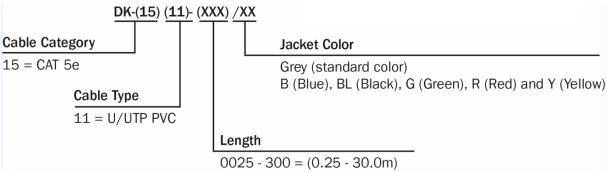
Marking Brand name, cable length and cable information

Transmission Properties

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACRF
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1.00	4.00	60.00	17.00	56.00	57.40	57.00	53.00	54.40
4.00	4.50	53.50	17.00	49.00	45.40	50.50	46.00	42.40
8.00	6.40	48.60	17.00	42.20	39.30	45.60	39.20	36.30
10.00	7.20	47.00	17.00	39.80	37.40	44.00	36.80	34.40
16.00	9.10	43.60	17.00	34.50	33.30	40.60	31.50	30.30
20.00	10.20	42.00	17.00	31.80	34.40	39.00	28.80	28.40
25.00	11.50	40.30	16.00	28.90	29.40	37.30	25.90	26.40
31.25	12.90	38.70	15.10	25.80	27.50	35.70	22.80	24.50
62.50	18.60	33.60	12.00	15.00	21.50	30.60	12.00	18.50
100.00	24.00	30.10	10.00	6.10	17.40	27.10	3.10	14.40

The results in the table above are typical for Category 5e Class D, Patch cables 2 m, 5 m up to 10 m length

Product Number Information



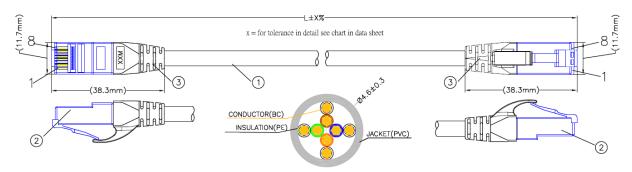
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Length Tolerances

Length (m)	Tolerance (mm)	Length (m)	Tolerance (mm)
0.15	+20/-6	8	+/-155
0.25	+20/-6	10	+/-200
0.5	+20/-10	12	+/-250
0.75	+20/-13	13	+/-270
1	+/-20	15	+/-310
1.5	+/-30	20	+/-400
2	+/-40	25	+/-500
2.5	+/-50	30	+/-630
3	+/-60	40	+/-840
4	+/-90	50	+/-1000
5	+/-110	70	+/-1300
6	+/-120	75	+/-1500
7	+/-140	100	+/-1800
7.5	+/-150	*The cable length is	measured from plug A to plug B

Technical Drawing



MATERIAL LIST:

NO.	PARTS NAME	SPECIFICATION DESCRIPTION
1	CABLE	U/UTP [26AWG(BC 7/0.145±0.005)*1PR]*4+PVC OD:4.6±0.3mm COLOR:Assorted upon request
2	RJ45 CONNECTOR	RJ45,8P8C,TWO FORK GOLD PLATED CONTACTS BLUE TRANSPARENT
3	MOLDING PVC	MOLDING PVC 45P COLOR: Assorted upon request

