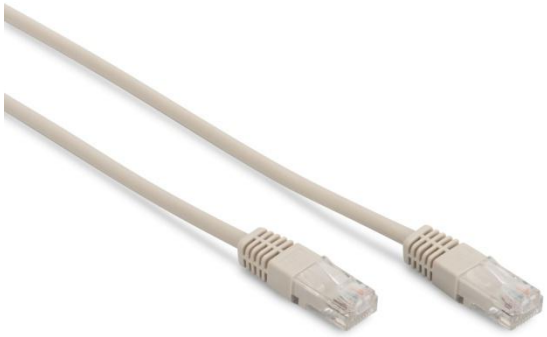
Twisted Pair Patch Cable - Category 5e Class D - U/UTP



- ✔ PVC
- ✔ Length marking on boot
- ✔ Kink protection and strain relief
- ✔ various lengths and colors available

Abstract

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

Features

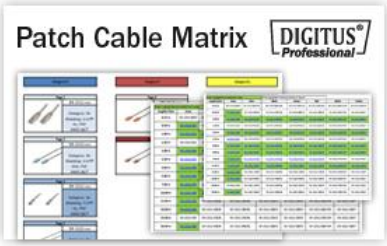
- 2x RJ45 (8P8C) connectors
- Boots with kink protection and strain relief
- Length marking on boot
- Conductor: Cu (Copper)
- Shielding: U/UTP (unshielded)
- Structure: 4x 2 AWG 26/7, twisted pair
- Sheath: PVC
- PoE ready

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.

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 www.digitus-professional.com



Performance- and Specification Overview

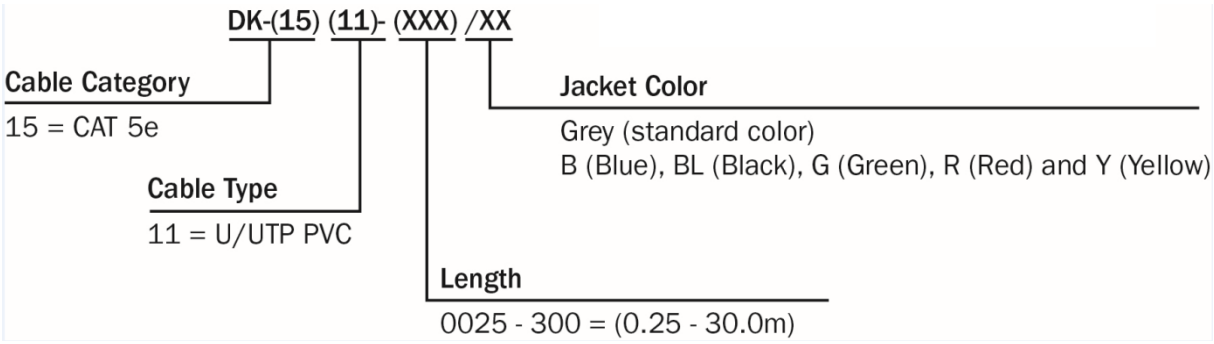
Conductor	Stranded AWG 26/7 bare copper, 0.145 ± 0.001 mm
Insulations	HD-PE (High Density Polyethylene)
Outer sheath	PVC
Overall diameter	4.8 mm ± 0.15 mm
Bending radius	8x OD
RJ45 connector	3 µ minimum gold-plated in confined area (gold flash over remainder) over 60 µ nickel undercoat
Color code	Orange x White, Green x White, Blue x White, Brown x White
Wiring standard	EIA/TIA 586B
Pin assignment	1:1
Durability	750 insertion cycles
Contact resistance	230 Ω maximum
Resistance unbalance	2% maximum
Dielectric strength	2500 VDC for 3 seconds
Uninsulated resistance	150 MΩ/km minimum
Operating temperature	-20 °C up to +60 °C
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



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