Twisted Pair Outdoor Patch Cord - Category 6 Class E - S/FTP



- ✓ UV-, acid-, alkali-, corrosion resistant
- ✓ black colored LDPE outer sheath
- ✓ with drain wire
- ✓ Kink prot., strain relief, latch prot.

Abstract

CAT 6, Class E, S/FTP, Twisted Pair Outdoor Patch Cord, Cu, LDPE, AWG 27/7, various lengths available

Features

- 2x RJ45 (8P8PC) connectors
- Boots with kink protection, strain relief and latch protection
- Length marking on boot
- Conductor: Cu (Copper)
- Shielding: S/FTP (complete braid shielding, pairs foil shielded); incl. drain wire
- Structure: 4x 2 AWG 27/7, twisted pair
- Sheath: LD-PE (Low Density Polyethylene)
- PoE, PoE+, PoE++ (IEEE 802.3af; 3at; bt) compatible
- UV resistant, acid- & alkali resistant, corrosion resistant

Product Overview

The DIGITUS Category 6 Class E patch cords are manufactured and tested to the ISO/IEC 11801 and DIN EN 50173 Category 6 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 6 cabling. The performance is tested up to 250 MHz inclusive performance characteristics such as near end cross talk (“NEXT”).
DIGITUS patch cords 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.
With its UV resistant PE sheath, this outdoor patch cord will ensure a secure installation in areas with a lot of temperature fluctuation and sun expose. Furthermore the drain wire will work as a lightning arrester.

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Performance- and Specification Overview

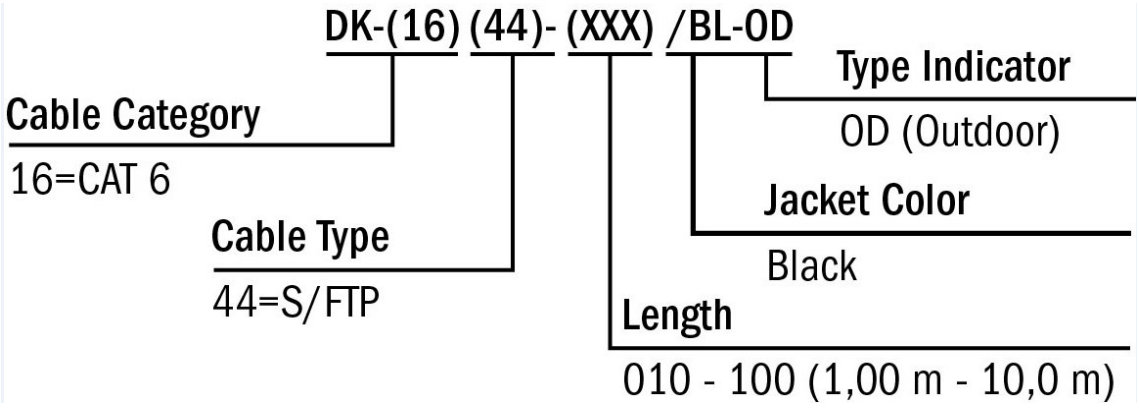
Conductor	Stranded AWG 27/7 bare copper, 0.127 ± 0.005 mm
Outer sheath	LD-PE (Low Density Polyethylene)
Overall diameter	5.4 mm ± 0.30 mm
Bending radius	15x OD
RJ45 connector	3 µ nominal gold flash over 60 µ nickel undercoat contact pins
Color code	Orange x White, Green x White, Blue x White, Brown x White
Wiring standard	EIA/TIA 568B
Pin assignment	1:1
Durability	750 insertion cycles
Contact resistance	30 mΩ maximum
Resistance unbalance	3% maximum
Dielectric strength	2500 VDC for 3 seconds
Uninsulated resistance	150 MΩ/km minimum
Operating temperature	-20 °C up to +60 °
NVP	76%
Typical applications	IEEE 802.3: 10BASE-T; 100BASE-T; 1000BASE-T
Norms	ISO/IEC 11801-1; EN-50173; ANSI/TIA 568-C; EN 60603-7-5
Marking	Brand name and cable information by label and printing

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	65.00	19.00	61.00	63.30	62.00	58.00	60.30
10.00	6.60	56.60	19.00	50.00	43.30	54.00	47.40	40.30
20.00	9.30	51.60	17.50	42.30	37.20	49.00	39.70	34.20
25.00	10.50	50.00	17.00	39.60	35.30	47.30	36.90	32.30
62.50	16.90	43.40	14.00	26.50	27.30	40.60	23.70	24.30
100.00	21.70	39.90	12.00	18.20	23.30	37.10	15.40	20.30
200.00	31.70	34.80	9.00	3.10	17.20	31.90	0.10	14.20
250.00	35.90	33.10	8.00	-2.80	15.30	30.20	-5.80	12.30

The results of the chart above are typical for Category 6, Class E patch cords 2 m, 5 m up to 10 m length

Product Number Information

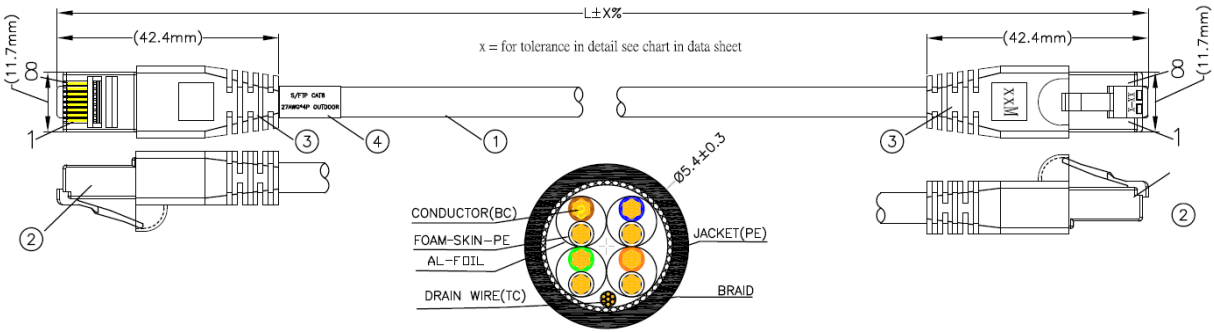


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Length Tolerances

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



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