



DESCRIPTION

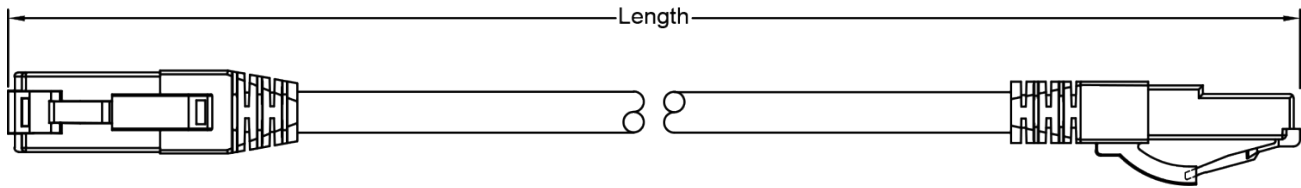
Category 5e, Class D, UTP patch cords are constructed of 24 AWG unshielded twisted pair stranded copper cable with a high-performance modular plug at each end. The cable is designed with good flexibility and is available in different colors for easy application.

FEATURES

- Category: 5e
- Wire insulation: HDPE
- Wire structure: 8 wires in 4 twisted pairs
- Wire scheme: Orange-W/Orange, Blue-W/Blue, Green-W/Green, Brown-W/Brown
- Shielding: No
- Sheath: LSZH

CONFIGURATION

- Cable conductor: Stranded copper-clad-aluminum 24AWG (7x0.19 mm)
- Wire scheme: 568B: Orange-W/Orange, Blue-W/Blue, Green-W/Green, Brown-W/Brown
- Plug: RJ45 8P8C
- Plug housing: Polycarbonate, UL 94-V2, 94-V0 also available
- Plug contacts: 3-prong contacts of copper alloy, nickel plated 80u'+, gold plated 50u'
- SR Boot: Molding or assembly type optional



*Different colors and cable lengths are available.

ELECTRICAL & MECHANICAL PROPERTIES

- Cable-plug tensile strength: 9Kgf (90N)
- Pulling force: 1Kgf (10N)
- Storage Temperature: -20°C to +80°C
- Durability: 750 mating cycles
- Operating temperature: -20°C to +60°C
- Flame Test: IEC 60332-1

Approved by fluke 90m permanent link test TIA-568-C.2

TIA Cat 5e Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
12345678					4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6
					8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6
12345678S					10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6
12345678S					16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5
					20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6
					25	10	42.1	18.0	32.1	30.7	39.1	29.1	27.7
					31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7
					62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7
					100	21	32.3	12.0	11.3	18.6	29.3	8.3	15.6

APPLICATIONS

- Ethernet 10BASE-T, 100BASE-T (FastEthernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10Gigabit Ethernet over limited distances specified in the industry 10GBASE-T Standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)



QUALIFICATIONS

- Category 5E according to ANSI/TIA/ANSI/TIA-568-C.2
- Category 5E according to ISO/IEC-11801 (2nd Edition)
- Connector conform to IEC 60603-7-41/ FCC PART 68
- Specification for pair equipment connection cable according to IEC 61156-6
- Cable sheath: LSZH Flame redundant to IEC60332-1, Smoke to IEC61034, Halogen to IEC60754