Cat5e UTP Jack-to-Jack Pre-Terminated Trunk Cable

6 × Keystone Jack to 6 × Keystone Jack | Cat5e UTP | [10 ft (3 m) / custom lengths]



1. GENERAL DESCRIPTION

Cat5e UTP jack-to-jack trunk cable is a factory-assembled, factory-tested link made of six Category 5e unshielded cables bundled together and terminated at both ends with keystone jacks. Each end provides six female RJ45 ports (6 × jack to 6 × jack) that snap into patch panels, faceplates or cassette housings, so six Gigabit channels can be run between two panels or racks in a single, tidy pull, with ready-made patch cords connecting the equipment on each side. It removes field termination and gives consistent, tested performance.

2. KEY FEATURES

- Plug-and-play: six pre-terminated, pre-tested channels in one trunk, with keystone jacks on both ends
- Cat5e UTP cable (100 MHz) for 10/100/1000BASE-T and PoE / PoE+
- Jacket: [CMR riser-rated PVC / LSZH] — confirm listing
- Standard length [10 ft (3 m)]; other lengths available on request
- Keystone jacks at both ends snap into standard keystone openings; each channel numbered 1–6 at both ends
- 100 % factory tested: wiremap, continuity and shield; test report available

3. APPLICATIONS

- Data centre trunking between equipment racks, patch panels and cassette housings
- Patch panel-to-patch panel or rack-to-rack trunking, with patch cords to equipment; 10/100/1000BASE-T and PoE / PoE+
- Rapid deployment, moves-adds-changes and structured-cabling upgrades

4. APPLICABLE STANDARDS & COMPLIANCE

- ANSI/TIA-568.2-D — Category 5e cable and connecting hardware
- ISO/IEC 11801 — Class D generic cabling; IEC 61156-5 (cable); IEC 60603-7 (RJ45 jack)
- UL 444 / NEC Article 800 — Communications cable type [CMR / CM — confirm listing and file no.]
- UL 1666 / IEC 60332-1 — Flame test [confirm]; RoHS [Compliant — Directive 2011/65/EU]

5. CONSTRUCTION & MATERIALS

Trunk Configuration	6 × Cat5e UTP cables, bundled, [loose / sleeved in protective braided sleeve]
Cable	Cat5e UTP, 4 pairs, solid [24 AWG] bare copper

Screening	None (U/UTP — unshielded)
Outer Jacket	[CMR-rated PVC (riser) / LSZH], colour [Grey / Blue]
Connector — End A	6 × Cat5e UTP keystone jacks (RJ45 8P8C female, snap-in), [pre-terminated on 110 / IDC]
Connector — End B	6 × Cat5e UTP keystone jacks (RJ45 8P8C female, snap-in), [pre-terminated on 110 / IDC]
Jack Contacts	Phosphor bronze, gold-plated — [50 µin / 1.27 µm]
Wiring	Straight-through, T568B, 1:1 at both ends
Labelling	Port numbers 1–6 at each end; [cable ID label]

6. ELECTRICAL CHARACTERISTICS (PER CHANNEL)

Characteristic Impedance	100 Ω ± [15 Ω]
Max. DC Resistance (per conductor)	[≤ 9.38 Ω/100 m, scaled to length]
Max. DC Resistance Unbalance	5 %
Rated Frequency	Up to 100 MHz (Category 5e)
Contact Resistance (jack)	[≤ 20 mΩ]
Insulation Resistance	[≥ 500 MΩ]
Dielectric Withstand (1 min)	[1000 V AC]
Max. Operating Voltage	[72 V]

7. TRANSMISSION PERFORMANCE

Frequency (MHz)	Cable IL — max (dB/100 m)	Cable NEXT — min (dB)	Cable PS NEXT — min (dB)
1	2.0	65.3	62.3
4	4.1	56.3	53.3
10	6.5	50.3	47.3
16	8.2	47.2	44.2
31.25	11.7	42.9	39.9
62.5	17.0	38.4	35.4
100	22.0	35.3	32.3

8. INSTALLATION & HANDLING GUIDELINES

- Pull the trunk by the cable bundle using the protective pulling sock; never pull by the jacks or connector housings.
- Do not exceed the min. bending radius (4 × OD) or the max. pulling tension, and avoid kinks, crushing and tight cable ties.
- Snap each keystone jack into a patch panel, faceplate or cassette opening until it clicks, then connect equipment with Cat5e (or higher) patch cords.
- Use Cat5e (or higher) patch cords to connect equipment, and keep total channel length within 100 m (max. 10 m of patch cords).
- Keep data cables separated from power cables per EN 50174-2 / TIA-569, and test every channel after installation.