

CAT 6 – Patch Cables



CAT 6 - UTP Patch Cables and Cross-Over Patch Cables

Description

ACTON's Category 6 patch cables and cross-over cables are factory manufactured using premium quality stranded conductor UTP cable and low crosstalk modular plugs and are fully tested to ensure consistent high performance.

The patch cords are suitable cabling wired in T568A or T568B configurations. Cross-over cables are suitable for direct hub to hub or PC to PC connections.

The Category 6 patch cables have been designed for high-speed voice & data applications and can be used together with Category 6 cable and accessories to construct a channel with Category 6/ Class E performance.

UL certified Category 6 channel performance when used when used together with Acton Category 6 cable, patch panel and jacks.

Key Features

- Available in 7 standard lengths from 0.5m -10m
- Patch cables available in a choice of 9 cable colours with matching boots
- Cross-over cables and boots are red for easy identification
- 8-position unshielded modular plug (RJ45) with 50 microinches of gold over nickel contacts
- Suitable for Category 6 / Class E channels
- Channel Compliant
- Standards and ACA compliant

Ordering Information:

C6PLYY-XX - Cat 6 patch cable

C6XPLYY-RD - Cat 6 cross-over cable, red

Replace "YY" with standard length in metres: 0.5, 1, 1.5, 2, 3, 5, 10

Replace "XX" with colour code: BK=black, GN=green, GY=grey, OR=orange, PK=pink, PL=purple, RD=red, WH=white, YL=yellow

Available From

Technical Information

PERFORMANCE SPECIFICATIONS

AS/NZS 3080:2003
AS/ACIF S008: 2001
ISO/IEC11801: 2002
ANSI/TIA/EIA-568-B.2

APPROVALS:

UL Certified Category 6 channel performance when used together with Acton Category 6 cable, patch panel and jack.
ACA Compliant (N13181)

MECHANICAL SPECIFICATIONS

Plug insertion durability: ≥ 750 mating cycles
Cable to plug tensile strength: ≥ 89 N

ELECTRICAL SPECIFICATIONS

Plug insulation resistance: $\geq 500M\Omega$
Plug contact resistance: ≤ 10 m Ω
Plug DC resistance: $\leq 0.1\Omega$
Plug current rating: ≥ 1.5 A
Plug dielectric withstanding voltage: $\geq 1KV$ RMS

PHYSICAL SPECIFICATIONS

Cable diameter: 5.4 mm \pm 0.2mm
Cable conductor: 24 AWG stranded bare copper wire
Cable sheath: CM grade PVC
Plug: Meets FCC part 68 and IEC 603-7
Plug/ boot material: Plug flame retardant plastic, UL94V-O; boot PVC
Plug contacts: Phosphor bronze with 50 μ inches gold over nickel plating
Operating temperature range: -10°C to 60° C

SUPPORTED APPLICATIONS

Voice
ISDN: Basic & Primary Access
Token Ring: 4/16/100 Mbps
ATM: 25/52/155 Mbps ; 1.2 Gbps
Ethernet: 10BASE-T; Fast Ethernet: 100BASE-TX/T2/T4; Gigabit Ethernet: 1000BASE-T
Broadband video

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