

Connectivity

Category 6 U/UTP patch cords

The Actassi Category 6 patch cord is a superior product delivering the best network performance when used in conjunction with other Actassi Category 6 products.

The patch cord is constructed of high grade cable and quality RJ45 plugs, and is designed to operate up to 300 MHz.

This enables it to operate successfully in a Category 6 environment.

Patch cords are available in various colours with matching boots to help with circuit identification in the cabinet/rack.

As an integral part of the Actassi series, this product has a system performance guarantee when installed by a Schneider Electric endorsed installer or endorsed partner.

Product features

- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards
- Fire rated jacket
- PE insulation on conductors
- PVC outer jacket material
- Backward compatible with Category 5 and 5e products.

Customer benefits

- Performs beyond the latest Category 6 international standards
- Comes in various lengths to assist with better cable management
- Is backward compatible with Category 5 and 5e products, allowing component mixing without degrading the network below the minimum component category.

Cat6 UTP patchCord



ACTPC6UBCMxxyy
ACTPC6UBLSxxyy

| Description | Ref. No |
|-------------------------------------|-----------------------|
| PVC patch cords | |
| Category 6, patch cord, U/UTP, CM | ACTPC6UBCMxxyy |
| LSZH patch cords | |
| Category 6, patch cord, U/UTP, LSZH | ACTPC6UBLSxxyy |

Where **xx** denotes the length of patch cords (w): 10 = 1 m, 20 = 2 m, 30 = 3 m, 50 = 5 m, 100 = 10 m.

Where **yy** denotes the color of the patch cord (yy): BK = black, BU = blue, GR = green, GY = grey, RD = red, WE = white, YL = yellow.

Note: customized color and length is available upon request with additional lead time and MOQ requirement.

| Technical specifications | | |
|-----------------------------|--|-------------|
| Transmission specifications | | |
| Parameter | Value (-dB) | Cat 6 (-dB) |
| NEXT | 55.1 | ≥ 54.0 |
| Power sum NEXT | 52.0 | ≥ 54.0 |
| FEXT | 49.8 | ≥ 43.1 |
| Power sum FEXT | 46.9 | ≥ 40.1 |
| Attenuation | 0.1 | ≤ 0.2 |
| Return loss | 27.0 | ≥ 23.0 |
| Mechanical characteristics | | |
| Cable | | |
| Gauge | FCC part 68, subpart F and IEC 60603-7 compliant | |
| Pair count | 4-pair individually colour coded with filler and PVC jacket | |
| Sequence | Wiring sequence T568A/B | |
| Durability | 1,000 mating cycles | |
| RJ45 plug | Polycarbonate, FCC Part 68 Subpart F, UL 94V-0 | |
| Plug boot | PVC | |
| Contact material | Phosphor bronze with 50 micro-inches gold over 100 micro-inches nickel | |
| Electrical characteristics | | |
| Dielectric strength | 100 V rms at 60 Hz for 1 minute | |
| Voltage rating | 150 V AC maximum | |
| Current rating | 1.5 A maximum | |
| Insulation | 500 mΩ minimum | |
| Contact resistance | 10 mΩ maximum | |