

# Connectivity

## Category 5e U/UTP patch cords

The Actassi Series Category 5e patch cord is a superior product delivering the best network performance when used in conjunction with other Actassi Category 5e products.

The patch cord is constructed of high grade cable and quality RJ45 plugs. The RJ45 plugs are provided with a fully moulded boot and a moulded insert to ensure pair integrity. The fully moulded boot ensures excellent strain relief and together with the insert, ensures that performance is not degraded when using the patch cord.

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

### Product features

- Fully compliant to AS/NZS 3080: 2003 Class D and Category 5e standards
- Fire rated jacket
- PE insulation on conductors
- PVC outer jacket material
- High-quality UTP/RJ45 patch cords
- Fully moulded RJ45 plugs ensure stable performance.

### Customer benefits

- Comes in various lengths to assist with better cable management.
- Fully moulded boot and insert not only ensures pair integrity but also provides an enhanced strain relief, especially during installations or moves.

Cat5e UTP patchCord



ACTPC5EUBCMxxyy  
ACTPC5EUBLSxxyy

Description	Ref. No
<b>PVC patch cords</b>	
Category 5e, patch cord, U/UTP, CM	<b>ACTPC5EUBCMxxyy</b>
<b>LSZH patch cords</b>	
Category 5e, patch cord, U/UTP, LSZH	<b>ACTPC5EUBLSxxyy</b>

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

@100 MHz	Product specification	Cat 5e standard
Crosstalk (-dB) - 2 M	35.3	35.0
Crosstalk (-dB) - 5 M	35.1	34.7
Crosstalk (-dB) - 10 M	34.8	34.5
Return loss (-dB)	20.0	18.0

#### Mechanical characteristics

##### Connectors

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	1 mΩ minimum
Contact resistance	10 mΩ maximum