



✕ Screened and Unscreened versions available

✕ Non-moulded flexible boots

✕ 100% factory tested

### Features

- Screened and Unscreened versions available
- 100% factory tested
- Comprise a length of nine-wire flexible patch cable, terminated with two tenposition RJ-45 plugs at the ends with external nine-contact
- Anti-snag latch design
- Non-moulded flexible boots
- EPV™ Category 6 Patch Cords are used in cross-connect EPV applications
- Accommodate with either internal or external nine-pin connection
- EPV™ Category 6 Patch Cords feature non-moulded flexible boot for superior cable bend radius
- Conform to ANSI/TIA/EIA-588 C.2, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) for Category 6/Class E

### Product Overview

The EPV™ Category 6 Patch Cord conforms to ISO/IEC 11801 2nd edition, EN50173:2007 and ANSI/TIA-568-C for Class E/Category 6 and it's designed for high speed protocols such as ATM 622 Mbps and 1GBASE-T Gigabit Ethernet applications. The Patch Cord is comprised of a flexible patch lead cable and terminates with two modular plugs. EPV™ Category 6 Patch Cable is a 100-ohm cable designed for high data rates for indoor installations. The cable is housed in a blue, PVC jacket. An additional 26 AWG flexible, insulated conductor at the centre of the cable serves as a control wire, which carries the EPV™ scanning signal. As a result, scanning does not interfere with the data signal-carrying pairs.

At the heart of the Patch Cord is the EPV™ Category 6 Plug. The plug is designed to ensure precision wire placement, providing superior performance. With RiT's Precision Placement Technology™ (PPT), the EPV™ Category 6 Plug ensures high repeatability Cross-Talk performance. The Category 6 EPV™ Plug provides the ninth-wire connectivity with the patch panel.

Unscreened and screened versions are available to suit the installation.

### CLASSix UTP Modular Plug Electrical

#### DC Resistance

Max. 96 ohm/km max. at 20° C

#### Resistance Unbalance

3% max. at 20° C

#### Mutual Capacitance

47±4 pF/m nominal at 1 KHz

### Construction

#### Plug Housing

PC Resin UL-94V0

#### Contacts

High grade copper alloy

#### Plating

50 micro inch (1.27 micrometer) gold

### Electrical

## Capacitance Unbalance

3300 pF/km max. at 1 KHz (wire to ground)

## Impedance

100±15 ohm at 1 to 100 MHz

## Voltage Rating

230 Vrms

## Dielectric Strength

700 VAC/one minute

## Velocity of Propagation

75% nominal

## Propagation Delay

5.3 nS/m max @ 1 MHz  
5.2 nS/m max @ 10 MHz  
5.2 nS/m max @ 100 MHz

## Propagation Delay Skew

45 nS/100 m max @ 1-250 MHz

## Current/Voltage Rating

1.5 Amps, 30 VAC / 56 VDC

## Dielectric Withstanding

1000 volts RMS, 1 min. (60Hz)

## Insulation Resistance

500 Megaohms

## General

### Operating Temperature

-20° to 60°C (-4° to 140°F)

### Flammability Test

IEC 332-1 / UL 1581 VW-1

### Weight

39 kg/km, nominal

## EPV™ Category 6 cable

### Construction

#### Basic Wires

Conductor: eight wires, stranded bare copper, 7 x 0.20 mm (24 AWG)  
Insulation: solid polyolefin, 0.97±0.02 mm diameter

#### Control Wire

Conductor: one wire, stranded bare copper, 7 x 0.16 mm (26 AWG)  
Insulation: solid polyolefin, 0.78 ± 0.01 mm diameter

#### Pair Construction

Four pairs cabled together, over a precision cross shaped pair organiser

#### Pair Color Codes (2 wires/pair)

Blue/white-blue, orange/white-orange,  
green/whitegreen, brown/white-brown

#### Overall Diameter

6.5±0.2 mm

#### Outer Sheath

Soft PVC compound, colored blue RAL 5015, with black printing

#### Printing

Soft PVC compound, colored blue RAL 5015, with black printing

## Part Number Information

Part No.	Description
R3282100	CLASSix UTP REVIEW JUMPER 1MTR
R3282200	CLASSix UTP REVIEW JUMPER 2MTR
R3282300	CLASSix UTP REVIEW JUMPER 3MTR
R3282500	CLASSix UTP REVIEW JUMPER 5MTR
R3283100	CLASSix STP REVIEW JUMPER 1MTR
R3283200	CLASSix STP REVIEW JUMPER 2MTR
R3283300	CLASSix STP REVIEW JUMPER 3MTR

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