



✕ 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 6A Patch Cords are used in cross-connect EPV applications
- Accommodate with either internal or external nine-pin connection
- EPV™ Category 6A 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 6A/Class EA

Product Overview

The EPV™ Category 6A STP Patch Cord conforms to ANSI/TIA/EIA-568-C.2, ISO/IEC 11801 2.1 edition and CENELEC EN50173 (200x) standards for Category 6A/CLASS EA with enhanced transmission properties, supporting 10GBase-T and all other high bandwidth digital applications with low BER up to 500 MHz bandwidth. Comprised of flexible patch cable and terminating with two modular plugs, the EPV™ Category 6A Patch Cord is a 100 ohm cable designed for high data rates for indoor installations. The cable is housed in a blue LSZH 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.

At the heart of the Patch Cord is the EPV™ Category 6A Plug. The plug is designed to ensure precision wire placement, providing superior performance. With RiT's Precision Placement Technology™ (PPT), the EPV™ Category 6A Plug ensures high repeatability Cross-Talk performance. The Category 6A 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. 145ohm/km at 20°C.

Resistance Unbalanc

2% max. at 20°C

Mutual Capacitance

43 pF/m nominal at 1 KHz

Capacitance Unbalance

1500 pF/km max. at 1 KHz (wire to ground).

Impedance

100 ±15 ohm at 1 to 250MHz.

Voltage Rating

30 Vrms

Construction

Plug Housing

PC Resin UL-94V0

Contacts

High grade copper alloy

Plating

50 micro inch (1.27 micrometer) gold

Electrical

Current/Voltage Rating

1.5 Amps, 30 VAC / 56 VDC

Dielectric Withstanding

1000 volts RMS, 1 min. (60Hz)

Dielectric Strength

700 VAC/one minute min (wire to wire).

Transfer Impedance (Zt) (Shielding Effectiveness)

5 m ohm/m max. at 1-30 MHz.

Velocity of Propagation

77-80% nominal.

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Propagation Delay

5.0 nS/m max @ 500 MHz.

Propagation Delay Skew

25 nS/100 m max @ 1-500 MHz

Insulation Resistance

500 Megaohms

General**Storage Temperature**

-30° to 70° C

Operating Temperature

-5° to 50° C

Flammability Test

IEC 332-1 / UL 1581 VW-1

Weight

43 kg/km, nominal

EPV™ Category 6 cable**Construction****Basic Wires**

Conductor: Eight wires, bare stranded copper, 7 X 0.16 mm (26 AWG) Insulation: skin foam skin, polyolefin.

Control Wire

Conductor: one wire, stranded bare copper, 7 x 0.16 mm (26 AWG) Insulation: solid polyolefin, 0.78±0.02mm outer diameter, colored red.

Pair Construction

Four pairs, each pair wrapped in polyester-aluminum foil (metal face inside), eliminating alien cross-talk.

Pair Color Codes (2 wires/pair)

Blue/white, orange/white, green/white, brown/white.

Overall Diameter

6.0mm nominal.

Outer Sheath

LSZH Low Smoke, Zero Halogen (LSZH) compound, colored light gray RAL 7032 with black printing.

Printing LSZH

RiT R3265000 SMARTen U/FTP Un-grounded Jumper cable 10G 100 OHM Category 6A/CLASS E(A) 4XF (2*26AWG) + 1* 26AWG LSZH
 {} Meter {} Batch Number

Part Number Information

Part No.	Description
R3269200	SMARTen UTP REVIEW JUMPER 2MTR
R3269300	SMARTen UTP REVIEW JUMPER 3MTR
R3269500	SMARTen UTP REVIEW JUMPER 5MTR
R3270200	SMARTen STP REVIEW JUMPER 2MTR
R3270300	SMARTen STP REVIEW JUMPER 3MTR
R3270500	SMARTen STP REVIEW JUMPER 5MTR

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Contact us at sales@excel-networking.com

