

CATEGORY 5E PATCH CORD

STRANDED 24 AWG

UTP NON-BOOTED



DESCRIPTION

Category 5e Patch Cords, Stranded 24-AWG UTP, 8P8C (“RJ45”) Modular Plugs, Non-Booted.

FEATURES

- Stranded Bare Copper Conductors
- Unshielded 8P8C (“RJ45”) Modular Plugs
- 50-µin Gold Plated Contacts
- Flame-Retardant PVC Jacket
- CM Rated, UL Listed, RoHS Compliant
- Meets or Exceeds Specifications of ISO/IEC 11801 and ANSI/TIA/568.2 Standards, ETL/3P Verified
- T568B Wiring Scheme



093 Series

PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 118011 specifications

CONSTRUCTION

Media:
Wiring scheme:

4 unshielded twisted pairs, 8 stranded conductors
ANSI/TIA-568.2: T568B
ISO/IEC 118011: 8-position 1-2/3-6/
4-5/7-8 pin/pair assignment

CONDUCTORS

Size:
Material:

Stranded 24 AWG
Bare Copper

INSULATION

Material:
Unaged elongation:
Unaged Tensile Strength:

High-Density Polyethylene (HDPE)
300% min
2,395 lbf/in2 (1.683 kgf/mm2, 16.5 MPa)

JACKET

Material:
Outer Diameter:
Unaged Elongation:
Unaged Tensile Strength:
Ageing (at 100 °C for 168 h)
Elongation Retention:
Tensile Strength Retention:

Polyvinylchloride (PVC), flame-retardant
0.21 in. (5.4 mm)
100% min
2,000 lbf/in2 (1.407 kgf/mm2, 13.8 MPa)
50% min.
75% min.

PLUGS

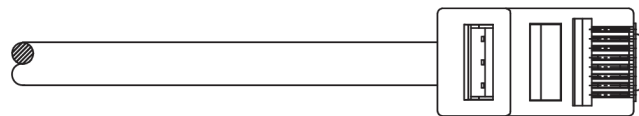
Type:
Housing:
Contacts:

8P8C Modular Plugs (“RJ45”)
Flame-retardant polycarbonate (PC), 94V-0
50 µin gold plated

093-XXX/XBK	Black
093-XXX/XBL	Blue
093-XXX/XGR	Green
093-XXX/XGY	Gray
093-XXX/XOR	Orange
093-XXX/XPR	Purple
093-XXX/XRD	Red
093-XXX/XWH	White
093-XXX/XYL	Yellow

Length	Weight
1 ft	0.05 lb
2 ft	0.06 lb
3 ft	0.10 lb
5 ft	0.15 lb
7 ft	0.20 lb
10 ft	0.25 lb

14 ft	0.35 lb
20 ft	0.40 lb
25 ft	0.50 lb
50 ft	1.00 lb
75 ft	1.50 lb
100 ft	2.00 lb



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



verticalcable.com

Rev. 03/2025

Subject to change without notice.

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UTP NON-BOOTED

PERFORMANCE

ELECTRICAL

Insulation Dielectric Strength:	2,850 VDC for 2s
Insulation Resistance:	500 MOhm min
Conductor Resistance:	9.38 Ohm/100 m at 68 °F (20 °C)
Conductor Resistance Unbalance:	2% max
Capacitance Unbalance:	160 pF/100m max
Mutual Capacitance:	5,600 pF/100 m max
Characteristic Impedance	
0.772 MHz:	102 Ohm±15 %
0.772 MHz–125 MHz:	100 Ohm±15 %

ENVIRONMENTAL

Operating Temperature:	-4 °F to +158 °F (-20 °C to 70 °C)
Operating Humidity:	93 % RH max (non-condensing)
Storage Temperature:	32 °F to +122 °F (0 °C to +50 °C)

SAFETY

Voltage Rating:	300 V
Fire Rating:	UL444

JACKET MARKING

350MHz (UL) E305668 TYPE CM 24AWG 75°C C(UL) E305668 CM 75°C VERIFIED TO ANSI/TIA-568.2-D UTP CAT.RoHS COMPLIANCE 20220223

FREQUENCY (MHz)	MAX. ATTENUATION (dB/100m)	NEXT (dB), Min.	PSNEXT (dB), Min.
1	2.0	65.3	62.3
4	4.1	56.3	53.3
8	5.8	51.8	48.8
10	6.5	50.3	47.3
16	8.2	47.2	44.2
20	9.3	45.8	42.8
25	10.4	44.3	41.3
31.25	11.7	42.9	39.9
62.5	17.0	38.4	35.4
100	22.0	35.3	32.3

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