

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



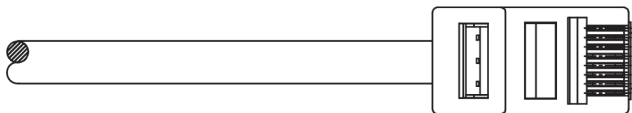
093 SERIES

CHARACTERISTICS	
PERFORMANCE: Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 118011 specifications.	
CONSTRUCTION	
Media:	4 unshielded twisted pairs, 8 stranded conductors
Wiring scheme:	ANSI/TIA-568.2: T568B ISO/IEC 11801: 8-position 1-2/3-6/4-5/7-8 pin/pair assignment
CONDUCTORS	
Size:	stranded 24 AWG
Material:	bare copper
INSULATION	
Material:	high-density polyethylene (HDPE)
Unaged elongation:	300 % min
Unaged tensile strength:	2,395 lbf/in2 (1.683 kgf/mm2, 16.5 MPa)
JACKET	
Material:	Polyvinylchloride (PVC), flame-retardant
Outer diameter:	0.21 in (5.4 mm)
Unaged elongation:	100 % min
Unaged tensile strength:	2,000 lbf/in2 (1.407 kgf/mm2, 13.8 MPa)
Ageing (at 100 °C for 168 h)	elongation retention: 50 % min tensile strength retention: 75 % min
PLUGS	
Type:	8P8C modular plugs (“RJ45”)
Housing:	Flame-retardant polycarbonate (PC), 94V-0
Contacts:	50-µin gold plated
CONTINUED ON NEXT PAGE...	

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

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800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



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Rev. 4/2024
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PERFORMANCE

ELECTRICAL	
Insulation dielectric strength:	2,850 VDC for 2 s
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/100 m 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)
JACKET MARKING:	350MHz (UL) E305668 TYPE CM 24AWG 75°C C(UL) E305668 CM 75°C ETL VERIFIED ANSI/TIA -568.2-D UTP CAT.RoHS COMPLIANCE 20220223

FREQUENCY	MAX. ATTENUATION	NEXT	PSNEXT
(MHz)	(dB/100m)	(dB), Min.	(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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