



CAT 5 TELEPHONE CABLE 2P INDOOR

114-50102

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Overview

- Category: UTP CAT 5-2P-PVC
- Suitable for indoor applications requiring CAT 5 telephone connections.

Industry Standard

- ISO/IEC 11801
- TIA-568-C.2
- YD/T1019

Applications

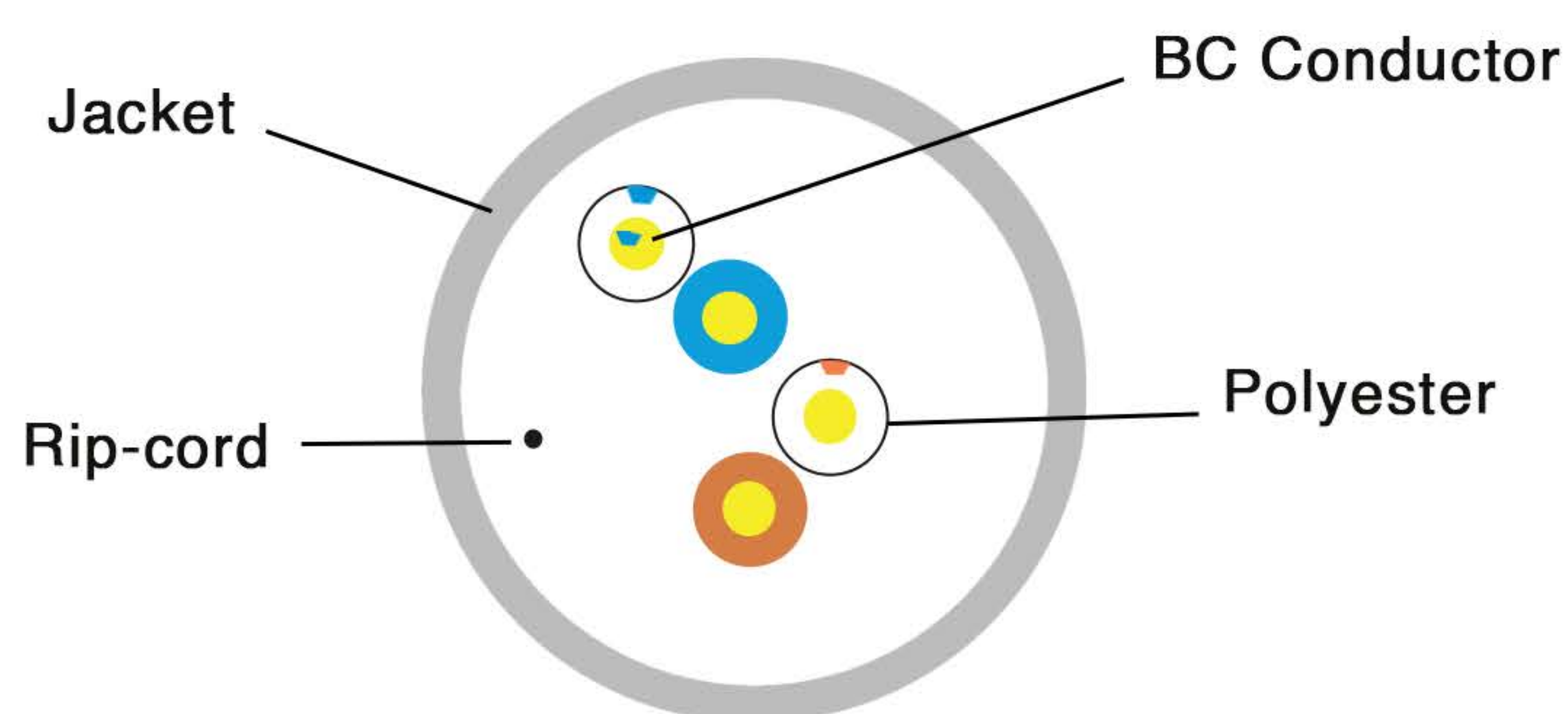
- Voice
- T1
- 4Mbps Token Ring (IEEE 802.5)
- 10 Base-T (IEEE 802.3)
- 52 Mbps ATM
- VG-Any LAN
- ISDN

Ordering Information

Part Number	Description
114-50102	CAT. 5 TELEPHONE CABLE 2 PAIR INDOOR 1M

General Information

- Conductor Material: Solid Bare Copper
- Conductor Nominal O.D: 0.500 mm (+0.005 mm, -0.005 mm)
- Insulation Material: HDPE
- Insulation Diameter: 0.88 ± 0.003 mm
- Insulation Color:
 1. Blue, White Blue,
 2. Orange, White Orange
- Sheath Thickness: 0.55 ± 0.05 mm
- Sheath External O.D.: 4.1 ± 0.4 mm
- Sheath Material: PVC (complies with RoHS)
- Sheath Color: White
- Surface Print Error and Space: ≤ ±0.5%, 1m
- Surface Printing Letter Height: 3.0 ± 0.3 mm
- Rip-Cord: Yes
- Drain Wire: No



PRODUCT TECHNICAL SPECIFICATION | CAT 5 TELEPHONE CABLE 2P INDOOR

Product Electrical Characteristics:

- 1.0-100.0MHz, Characteristic impedance (Ω): 100 \pm 15
- 1.0-100.0MHz, Delay shew 20°C(ns/100m): \leq 45
- DC Resistance (20°C)(Ω /100m)max: \leq 9.5

Sheath Physical Properties

- Before Aging Tensile Strength: \geq 13.5 Mpa
Elongation: \geq 150%
- After Aging Tensile Strength: \geq 12.5 Mpa
Elongation: \geq 125%
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

Technical Performance

Frequency (MHz)	RL (\geq dB)	Attenuation (\leq dB)	NEXT (\geq dB)
1.0	20.0	2.0	65.0
4.0	20.0	4.0	62.0
8.0	19.0	5.5	60.0
10.0	19.0	6.0	59.0
16.0	18.0	7.5	57.0
20.0	18.0	8.5	55.0
25.0	17.0	10.0	54.0
31.25	17.0	11.0	53.0
62.5	16.0	14.5	49.0
100	16.0	19.0	44.0

Frequency (MHz)	PSNEXT (\geq dB)	ELFEXT (\geq dB)	PSELFEXT (\geq dB)
1.0	62.0	65.0	63.0
4.0	60.0	61.0	59.0
8.0	58.0	57.0	55.0
10.0	57.0	55.0	53.0
16.0	55.0	51.0	49.0
20.0	53.0	49.0	47.0
25.0	52.0	47.0	45.0
31.25	51.0	45.0	43.0
62.5	47.0	39.0	37.0
100.0	42.0	33.0	31.0

HEADQUARTERS



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CONNECT THE FUTURE



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