



# CAT 3 TELEPHONE CABLE 50P INDOOR

114-30150

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## Overview

- Category: UTP CAT 3-50P-PVC Cable
- Suitable for indoor applications requiring CAT 3 telephone connections.

## Industry Standard

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

## Applications

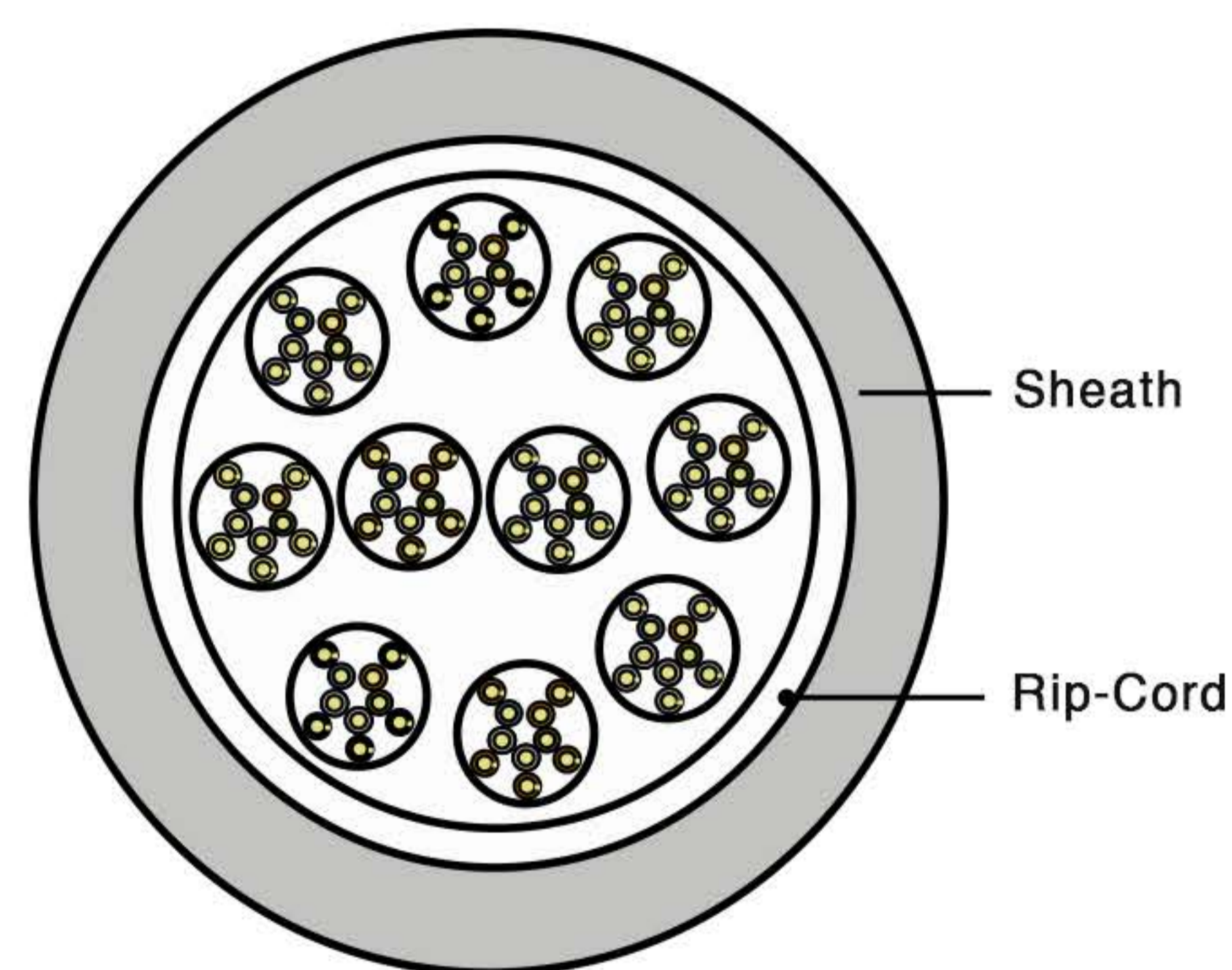
- Voice
- T1
- 4Mbps Token Ring (IEEE 802.5)
- 10 Base-T (IEEE 802.3)
- 52 Mbps ATM
- VG-Any LAN
- ISDN

## Ordering Information

Part Number	Description
114-30150	CAT. 3 TELEPHONE CABLE 50 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: 1.07±0.05mm
- Insulation Color:
  1. Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr. Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-Gn. Br./ Re.-Br. Gr./ Re.-Gr. Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn. Br./ Bla.-Br. Gr./ Bla.-Gr. Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr. Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn./ Pur.-Gn. Br./ Pur.-Br. Gr./ Pur.-Gr.
- Sheath Thickness: 1.0±0.2 mm
- Sheath External O.D: 17.3 ±1.0 mm
- Sheath Surface: Clean, Frap, Satiation
- Sheath Material: PVC(complies 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 3 TELEPHONE CABLE 50P INDOOR

## Product Electrical Characteristics:

- DC Resistance 20°C(Ω/100m)max: 9.5
- DC conductor resistance unbalance (%) max: 5.0
- Mutual Capacitance (1 kHz): 5.6nF/km
- Pair to ground capacitance unbalance Max: 330pF/100m
- Insulation resistance at 20°C Min: 5000MΩ.km
- Insulation dielectric strength DC 1000V for 1min: Pass

## Sheath Physical Properties:

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

## Technical Performance

Frequency (MHz)	RL (≥dB)	Attenuation (≤dB)	NEXT (≥dB)
1.0	12	4.0	34
4.0	12	7.0	26
8.0	10	10.2	21
10.0	10	11.5	20
16.0	08	14.5	17

Frequency (MHz)	PSNEXT (db) ≥	ELFEXT (dB) ≥	PSELFEXT (dB) ≥
1	30	36	34
4	21	28	26
8	16	23	20
10	15	22	19
16	13	20	17

### HEADQUARTERS



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