



# CAT 5 TELEPHONE CABLE 25P INDOOR

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## Overview

- Category: UTP CAT 5-25P-PVC Cable
- Suitable for indoor applications requiring CAT 3 telephone connections.

## Industry Standard

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

## Applications

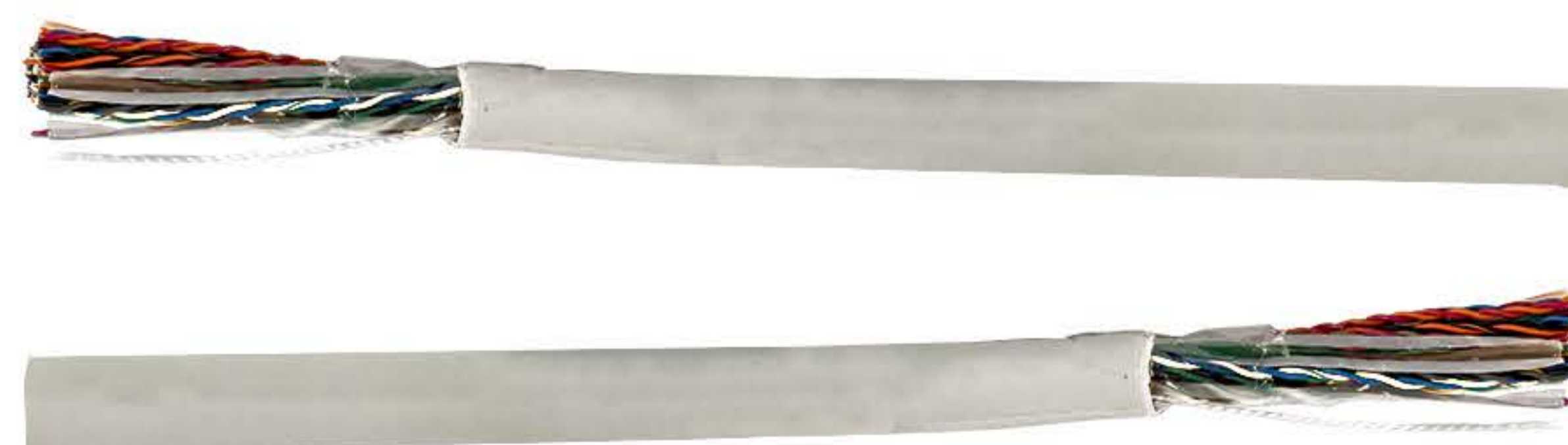
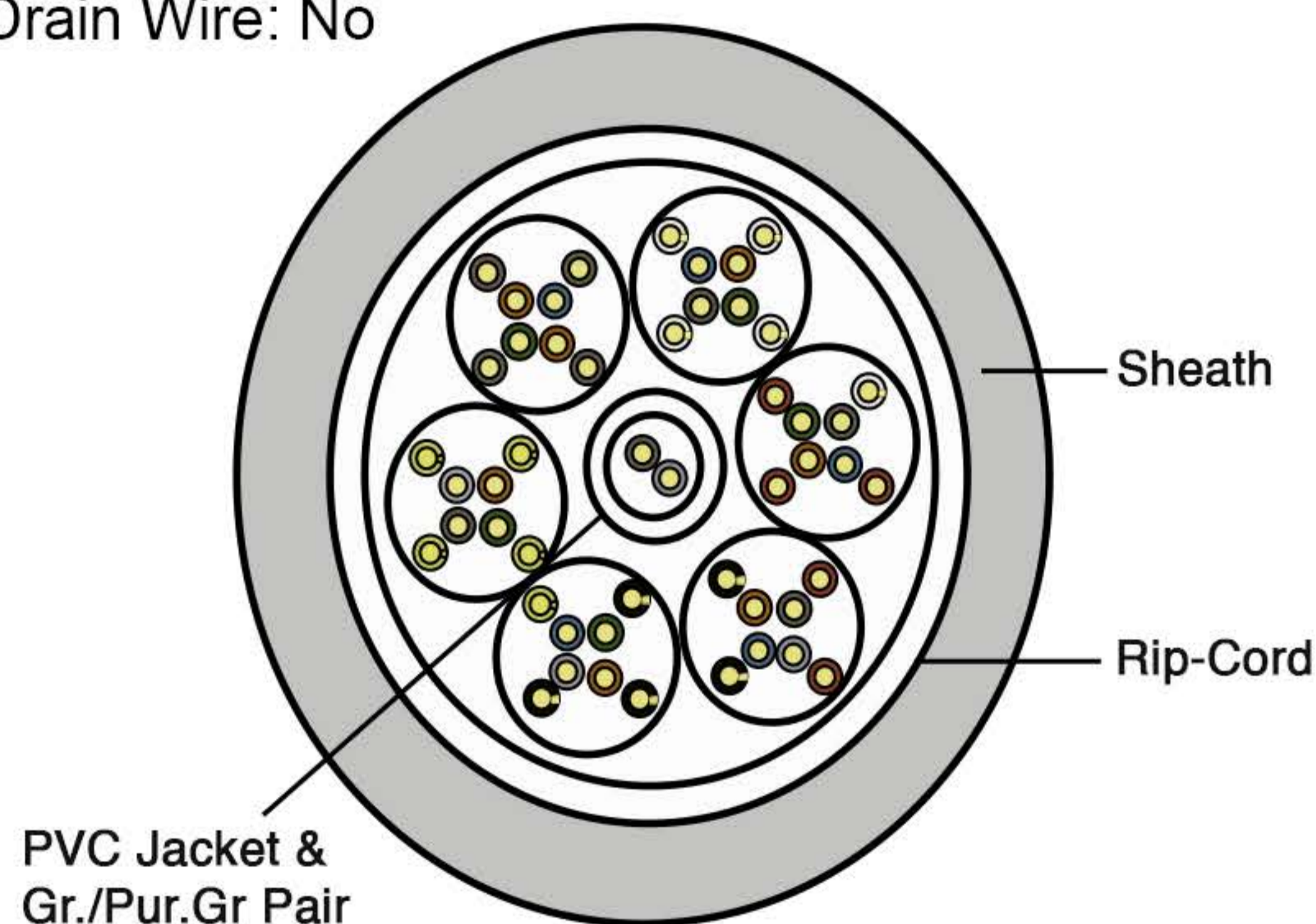
- Voice
- T1
- 4Mbps Token Ring (IEEE 802.5)
- 10 Base-T (IEEE 802.3)
- 52 Mbps ATM
- VG-Any LAN
- ISDN

## Ordering Information

Part Number	Description
114-50125	CAT. 5 TELEPHONE CABLE 25 PAIR INDOOR 1M

## General Information

- Conductor Material: Solid Bare Copper
- Conductor Nominal O.D.: 0.500 mm
- Conductor Material: HDPE
- Conductor Tolerance: UP +0.005 / DOWN -0.005
- Insulation Diameter: 0.90±0.04mm
- 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: 13.5 ±0.8 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 3 TELEPHONE CABLE 25P 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	19.0	2.3	60.0
4.0	19.0	4.5	57.0
8.0	18.0	6.0	55.0
10.0	18.0	7.0	54.0
16.0	17.0	8.5	52.0
20.0	17.0	9.5	50.0
25.0	16.0	11.0	48.0
31.25	16.0	12.5	47.0
62.5	15.0	16.0	43.0
100	14.0	21.0	39.0

Frequency (MHz)	PSNEXT (≥ dB)	ELFEXT (≥ dB)	PSELFEXT (≥ dB)
1.0	57.0	62.0	60.0
4.0	55.0	58.0	56.0
8.0	53.0	54.0	52.0
10.0	52.0	52.0	50.0
16.0	50.0	48.0	46.0
20.0	49.0	46.0	44.0
25.0	47.0	44.0	42.0
31.25	46.0	42.0	40.0
62.5	42.0	36.0	34.0
100.0	37.0	30.0	28.0

### HEADQUARTERS



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