

CAT 3 TELEPHONE CABLE 100P OUTDOOR JELLY FILLED

114-30200

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Overview

- Category: UTP CAT 3-100P-PE Cable
- Suitable for outdoor applications requiring CAT 3 telephone connections.

Industry Standard

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

Applications

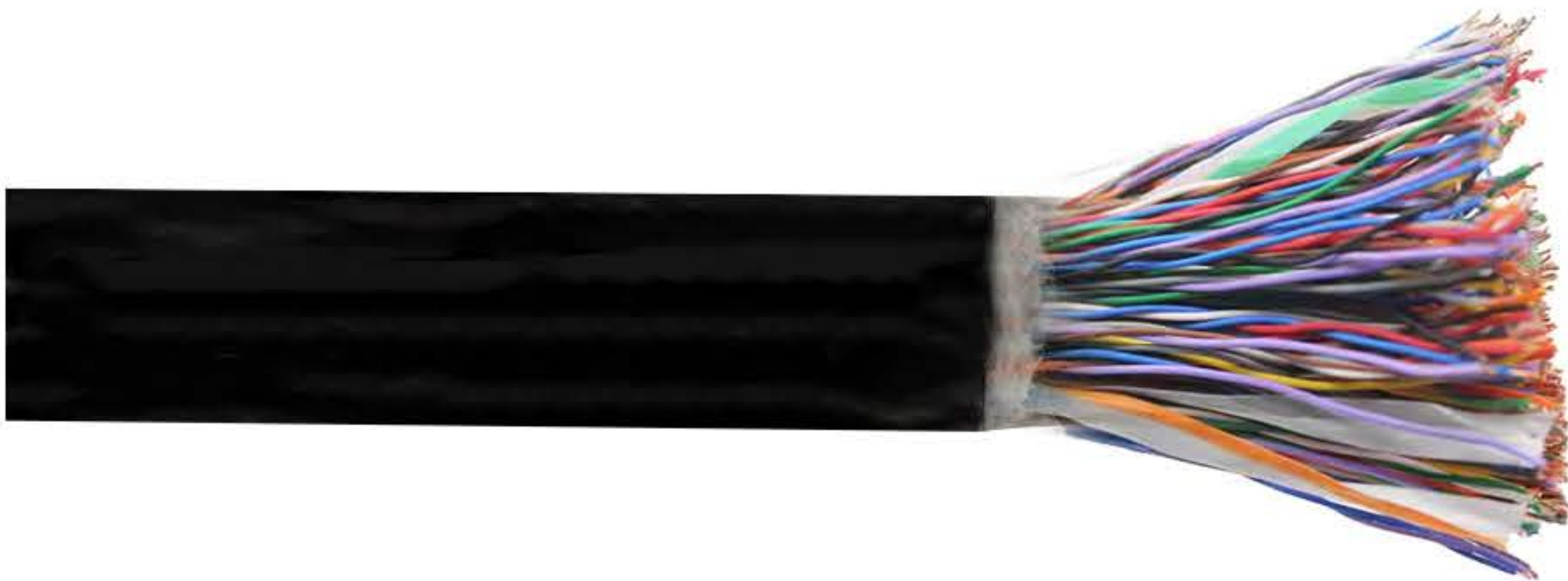
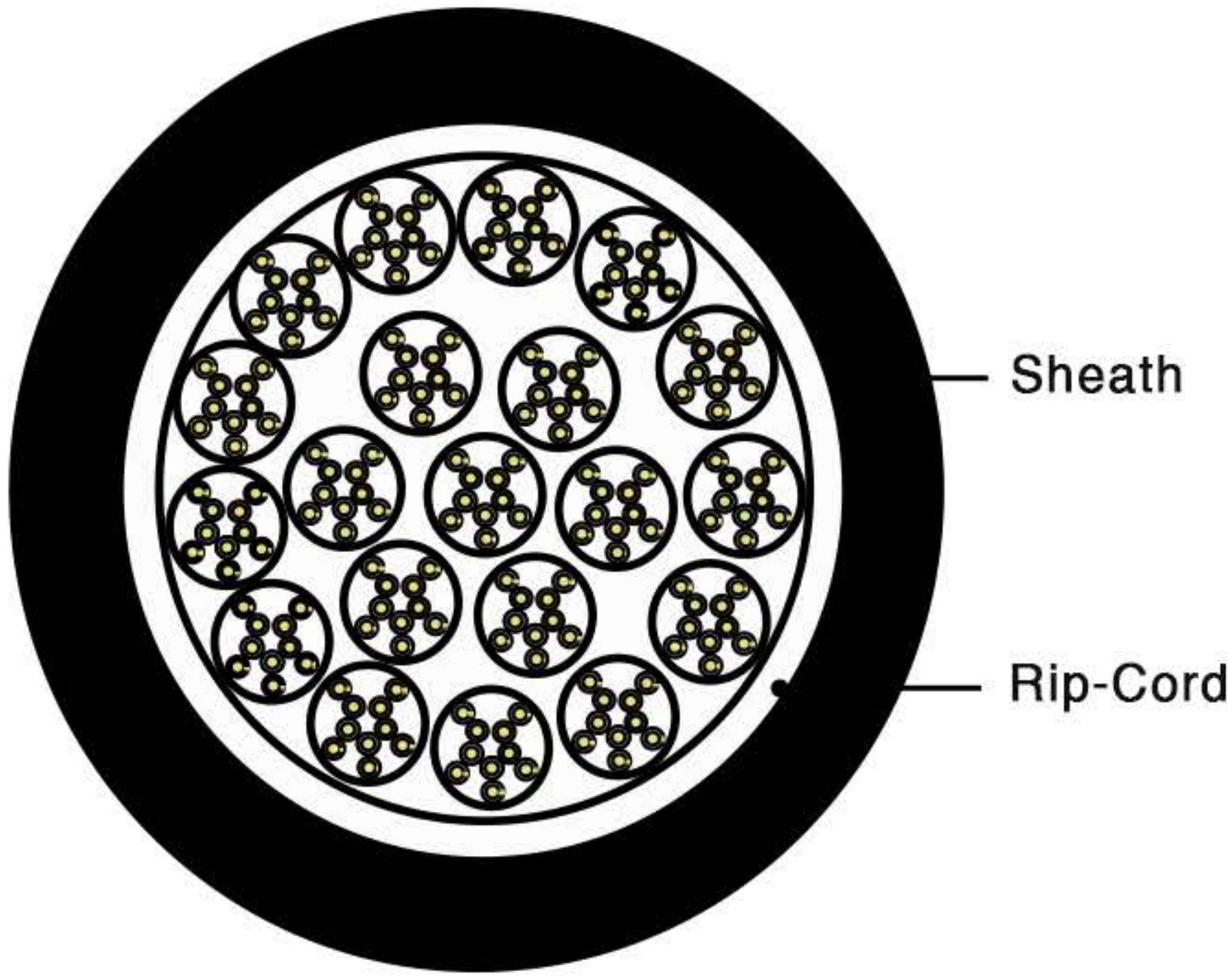
- Voice
- T1
- 4Mbps Token Ring (IEEE 802.5)
- 10 Base-T (IEEE 802.3)
- 52 Mbps ATM
- VG-Any LAN
- ISDN

Ordering Information

Part Number	Description
114-30200	CAT. 3 TELEPHONE CABLE 100 PAIR OUTDOOR JELLY FILLED 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: 1.07±0.05mm
- Insulation Color: Refer Annexure
- Sheath Thickness: 1.1±0.4 mm
- Sheath External O.D: 24.9 ± 1.2 mm
- Sheath Material: LDPE(complies RoHS)
- Sheath Color: Black
- Surface Print Error and Space: ≤ ±0.5%, 1m
- Surface Printing Letter Height: 3.0 ± 0.3 mm
- Rip-Cord: Yes
- Drain Wire: No



Product Electrical Characteristics:

- 1.0-16.0MHz Delay Skew 20°C (ns/100m): ≤45
- 1.0-16.0MHz Characteristic impedance (Ω): 100±15
- DC Resistance 20°C(Ω/100m)max: 9.5
- DC conductor resistance unbalance (%) max: 5.0

Sheath Physical Properties:

- Before Aging Tensile Strength: ≥10.0 Mpa
Elongation: ≥350%
- After Aging Elongation: ≥300%
- 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	3.0	39.0
4.0	12	6.5	30.5
8.0	12	10.0	25.0
10.0	12	11.5	23.2
16.0	9.5	15.5	20.0

Frequency (MHz)	PSNEXT (db) ≥	ELFEXT (dB) ≥	PSELFEXT (dB) ≥
1	39.0	37.0	37.0
4	30.5	24.0	24.0
8	25.0	18.2	18.2
10	23.2	16.7	16.7
16	20.0	13.2	13.2

Annexure (Insulation Color)

- Group 1–5 (Pairs 1–25)
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.
 - Group 6–10 (Pairs 26–50)
Whi./Wh.-Whi. Re./Wh.-Re. Bla./Wh.-Bla. Yel./Wh.-Yel. Pur./Wh.-Pur.
Whi./Re.-Whi. Re./Re.-Re. Bla./Re.-Bla. Yel./Re.-Yel. Pur./Re.-Pur.
Whi./Bla.-Whi. Re./Bla.-Re. Bla./Bla.-Bla. Yel./Bla.-Yel. Pur./Bla.-Pur.
Whi./Yel.-Whi. Re./Yel.-Re. Bla./Yel.-Bla. Yel./Yel.-Yel. Pur./Yel.-Pur.
Whi./Pur.-Whi. Re./Pur.-Re. Bla./Pur.-Bla. Yel./Pur.-Yel. Pur./Pur.-Pur.
- Group 11–15 (Pairs 51–75)
Pin./Wh.-Pin. Tqr./Wh.-Tqr. Tan./Wh.-Tan. Aq./Wh.-Aq. Lav./Wh.-Lav.
Pin./Re.-Pin. Tqr./Re.-Tqr. Tan./Re.-Tan. Aq./Re.-Aq. Lav./Re.-Lav.
Pin./Bla.-Pin. Tqr./Bla.-Tqr. Tan./Bla.-Tan. Aq./Bla.-Aq. Lav./Bla.-Lav.
Pin./Yel.-Pin. Tqr./Yel.-Tqr. Tan./Yel.-Tan. Aq./Yel.-Aq. Lav./Yel.-Lav.
Pin./Pur.-Pin. Tqr./Pur.-Tqr. Tan./Pur.-Tan. Aq./Pur.-Aq. Lav./Pur.-Lav.
 - Group 16–20 (Pairs 76–100)
Olv./Wh.-Olv. Lme./Wh.-Lme. Teal./Wh.-Teal. Choc./Wh.-Choc. Rose./Wh.-Rose.
Olv./Re.-Olv. Lme./Re.-Lme. Teal./Re.-Teal. Choc./Re.-Choc. Rose./Re.-Rose.
Olv./Bla.-Olv. Lme./Bla.-Lme. Teal./Bla.-Teal. Choc./Bla.-Choc. Rose./Bla.-Rose.
Olv./Yel.-Olv. Lme./Yel.-Lme. Teal./Yel.-Teal. Choc./Yel.-Choc. Rose./Yel.-Rose.
Olv./Pur.-Olv. Lme./Pur.-Lme. Teal./Pur.-Teal. Choc./Pur.-Choc. Rose./Pur.-Rose.