

KRONE PremisNET™

Category 6 Installation Cable UTP, CM Rated TrueNet™

Made in USA

Applications

- Installation cable within structured cabling systems according to ISO 11801 and TIA/EIA 568-B.
- To be used in pathway systems

Compliances

- UL Subject 444
- (UL)-C(UL) Type MP/CM
- ICEA S-90-661
- NEC 800 Type CM
- TIA/EIA 568-B.2-1 Proposed Cat-6 Horizontal Cable Requirements, Draft 10
- ISO 11801 Class E
- NEMA WC 66-1999

Possible Services

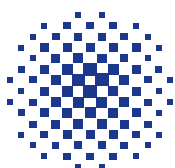
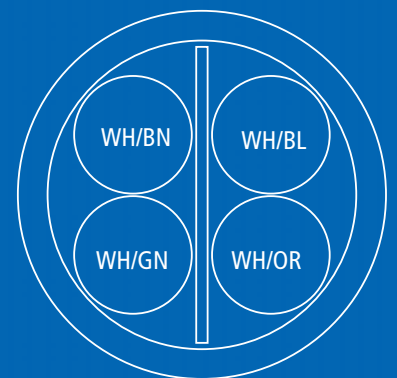
- POTS
- T1 & T1 Fractional
- ISDN Basic & Primary Rate
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10BASE-T (IEEE 802.3)
- 100 Mbps TP-PMD
- 52/155 Mbps ATM (ATM Forum)
- 100BASE-T4 (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 100BASE-T (Fast Ethernet)
- 622 Mbps ATM (ATM Forum)
- 1 Gbps Networking System (WGNA)
- 1 Gbps Ethernet (IEEE 802.3)
- 1.2 Gbps ATM (ATM Forum)
- 77 Channel Broadband Video

Features

- More flexible separator, optimum pair-to-pair & powersum crosstalk
- Matched impedance and maximum throughput
- Ease of handling
- Smaller, more compact package
- Decreased installation time



CONFIGURATION



KRONE

Construction:

Conductors: 23 AWG Solid Bare Copper
 Separator: Polyolefin Tape
 Insulation: 100% Polyolefin
 Color Coding: Tight Lay System, Table 2
 Pairing: Short, Staggered Pair Lays
 Jacket: Non-lead FR PVC

Electrical Characteristics

■ Conductor DC Resistance (Max) 28.6 Ohms/1000 ft. @ 20 °C
 ■ DC Resistance Unbalance (Max) 5%
 ■ Insulation Resistance (Min) 500 Megohms/1000 ft. @ 20 °C
 ■ Mutual Capacitance (Typical) 15 pF/ft
 ■ Operating Temperature (Max) 60 °C
 ■ Operating Voltage (Max) 300 VDC
 ■ Worst Case Cable Skew 45 nsec/100 meters
 ■ Nominal Velocity of Propagation 70%

Electrical Characteristics

| FREQ (MHz) | IMPEDANCE Ohms | | ATTENUATION dB (Max) | RETURN LOSS dB (Min) | ATTENUATION - TO - NEXT RATIO | |
|---------------|-------------------|-----------|----------------------------|----------------------------|-------------------------------|----------------------------|
| | Characteristic | Input | | | Pair-to-Pair dB/100m (Min) | Power Sum dB/100m (Min) |
| 1 | 100 +/-6 | 100 +/-15 | 2.0 | 20.0 | 73.3 | 70.3 |
| 4 | 100 +/-6 | 100 +/-15 | 3.8 | 23.0 | 62.5 | 59.5 |
| 8 | 100 +/-6 | 100 +/-15 | 5.3 | 24.5 | 56.5 | 53.5 |
| 10 | 100 +/-6 | 100 +/-15 | 6.0 | 25.0 | 54.3 | 51.4 |
| 16 | 100 +/-5 | 100 +/-15 | 7.6 | 25.0 | 49.7 | 46.8 |
| 20 | 100 +/- 5 | 100 +/-15 | 8.5 | 25.0 | 47.3 | 44.3 |
| 25 | 100 +/- 4 | 100 +/-15 | 9.5 | 24.3 | 44.8 | 41.8 |
| 31.25 | 100 +/-4 | 100 +/-15 | 10.7 | 23.6 | 42.2 | 39.2 |
| 62.5 | 100 +/-3 | 100 +/-15 | 15.4 | 21.5 | 33.0 | 30.0 |
| 100 | 100 +/-3 | 100 +/-15 | 19.8 | 20.1 | 25.5 | 22.5 |
| 200 | 100 +/-3 | 100 +/-22 | 29.0 | 18.0 | 11.8 | 8.9 |
| 250 | 100 +/-3 | 100 +/-32 | 32.8 | 17.3 | 6.5 | 3.5 |

| FREQ (MHz) | NEXT | | ELFEXT | |
|---------------|-------------------------------|----------------------------|-------------------------------|----------------------------|
| | Pair-to-Pair dB/100m (Min) | Power Sum dB/100m (Min) | Pair-to-Pair dB/100m (Min) | Power Sum dB/100m (Min) |
| 1 | 74.3 | 72.3 | 67.8 | 64.8 |
| 4 | 65.3 | 63.3 | 55.8 | 52.8 |
| 8 | 60.8 | 58.8 | 49.7 | 46.7 |
| 10 | 59.3 | 57.3 | 47.8 | 44.8 |
| 16 | 56.2 | 54.2 | 43.7 | 40.7 |
| 20 | 54.8 | 52.8 | 41.8 | 38.8 |
| 25 | 53.3 | 51.3 | 39.8 | 36.8 |
| 31.25 | 51.9 | 49.9 | 37.9 | 34.9 |
| 62.5 | 47.4 | 45.4 | 31.9 | 28.9 |
| 100 | 44.3 | 42.3 | 27.8 | 24.8 |
| 200 | 39.8 | 37.8 | 21.8 | 18.8 |
| 250 | 38.3 | 36.3 | 19.8 | 16.8 |

NOTE: The above listed discrete frequency electrical performance values are provided for engineering information only.
 Actual compliance testing is based on swept frequency measurements.

Ordering Information

| Product Number | No. of Pairs | Diameter | | Jacket color | Weight | | Packaging |
|-------------------|-----------------|----------|-----|-----------------|---------|-------|---------------|
| | | inches | mm | | lbs/kft | kg/km | |
| TN6TMT-XXII | 4 | .22 | 5.6 | As specified | 25 | 37.2 | 1,000' Reelex |

NOTES: XX = Jacket color BL= Blue WT= White GY= Gray GN= Green YL= Yellow PK= pink

KRONE China

Tel: +86 21 5442 3680
 Fax: +86 21 5442 2711
 E-mail: webmaster@krone.com.cn

KRONE Taiwan

Tel: +886 2 2784 1680
 Fax: +886 2 2702 5050
 E-mail: stewart.yao@krone.com.hk

KRONE Singapore & Malaysia

Tel: +65 6 538 8628
 Fax: +65 6 538 8636
 E-mail: kfe.mktg@krone.com

KRONE Hong Kong

Tel: +852 2865 4888
 Fax: +852 2861 1444
 E-mail: marketing@krone.com.hk

KRONE Vietnam

Tel: +84 4 934 3968- Ext:145, 146
 Fax: +84 4 934 3956
 E-mail: da.ngo@hn.vnn.vn

KRONE Korea

Tel: +82 2 565 4844
 Fax: +82 2 555 5779
 E-mail: by.lim@krone.com.hk

KRONE Indonesia

Tel: +62 21 520 0231
 Fax: +62 21 522 1312
 E-mail: agus.kumala@krone.co.id

KRONE Philippines

Tel: +632 848 9901
 Fax: +632 848 9904
 E-mail: larry.cunanan@krone.com

KRONE Thailand

Tel: +662 637 8301
 Fax: +662 637 8306
 E-mail: praktik.homnan@krone.com