

# KRONE PremisNET®

## Category 6 4 Pair Unshielded Twisted Pair Cable

### Standards

- EIA/TIA 568B.2-1  
Proposed Cat 6 Draft 11
- ISO 11801 Class E
- EN50173
- UL Listed

### Applications

- T1 & T1 Fractional
- ISDN Basic & Primary Rate
- 4/16 Mbps Token Ring
- 10BASE-T (IEEE 802.3)
- 155Mbps ATM
- Fast Ethernet
- 1Gbps Networking System
- 1Gbps Ethernet (IEEE 802.3)
- 1.2 Gbps ATM
- 77 Channel Broadband Video



# KRONE

# 4 Pair Category 6 PremisNET HIGH PERFORMANCE UTP CABLE



**Description** : 4 Pair Unshielded Twisted Pair (UTP) Cable with star filler to UL verified Category 6 specifications  
**Part Number** : **6499 1 030-01**  
**Standard Length** : 305m per box  
**Packaging** : Reel-in-a-box  
**Application** : This Enhanced Performance Category 6, 4 pair cable is tested for NEXT, ELFEXT, Delay Skew, Propagation Delay and any other criteria as specified in the emerging standard. Applications can include Voice, ISDN, ATM155 and 622 Mbps, 100Mbps TPDDI, Fast and Gigabit Ethernet and any other future applications designed for Category 6 cables.

## Cable Data

Conductor:	4 Twisted Pairs of 23~24AWG Solid bare copper wire c/w rip Cord	Operating Environment: Indoor Operating Temperature: -20 +60°C
Insulation:	HDPE (High Density Polyethylene)	Core Colors (nom. OD: 0.56mm)
Flame Rating:	UL (CM), CMR/MPR optional	Pair 1: Blue - White/Blue
Sheath:	PVC; LSZH / Plenum optional	Pair 2: Orange - White/Orange
Color:	Creamy Grey	Pair 3: Green - White/Green
		Pair 4: Brown - White/Brown
		Nominal UTP Cable OD: 6.0mm

## Electrical Performance (At 100MHz)

Standards:	EIA/TIA 568B.2-1 Cat 6 Draft 11, ISO 11801 Class E, EN50173, UL Listed	(NVP) Velocity of propagation: 67.5%
Impedance:	100Ohm±15% at 100MHz	Delay Skew: 45ns/100m
DC Resistance:	9.38 ohm/100m	Propagation Delay: 538ns/100m
		Mutual Capacitance: 5.6nF/100m

## Typical Cable Performance\*

Frequency (MHz)	Attenuation (dB)		P-P NEXT (dB)		PSACR (dB)		PSELFEXT (dB)	
	Typica	Spec	Typical	Spec	Typical	Spec	Typical	Spec
16	7.2	7.6	69.8	56.2	57.1	46.7	57.0	40.7
31.25	10.2	10.7	67.5	51.9	50.3	39.2	49.10	34.9
62.5	14.6	15.4	55.3	47.4	38.9	30.0	42.70	28.9
100	18.6	19.8	48.2	44.3	31.7	22.5	36.40	24.8
200	27.2	29.0	46.8	39.8	17.4	8.8	26.60	18.8
250	30.3	32.8	45.4	38.3	12.9	3.5	21.60	16.8

\* For sample measurement

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