

# KRONE PremisNET<sup>®</sup>

Category 5e

4 Pair Unshielded Twisted Pair Cable

## Standards

- EIA/TIA 568A/B
- ISO/IEC 11801
- EN50173
- UL Listed

## Applications

- Horizontal Distribution  
& Backbone Cabling
- ISDN
- 155Mbps ATM
- 100Mbps TPDDI
- Fast and Gigabit  
Ethernet

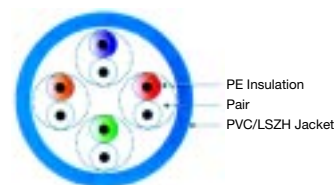


# KRONE

# 4 Pair Category 5e PremisNET HIGH PERFORMANCE UTP CABLE



**Description** : 4 Pair Unshielded Twisted Pair (UTP) Category 5e specifications  
**Part Number** : **6499 1 028-01**  
**Standard Length** : 305m per Box  
**Packaging** : KRONE easy reel with blue color print  
**Application** : This 4 pair Category 5e cable is tested for Power Sum 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.



## Cable Data

Conductor:	4 Twisted Pairs of 24AWG (or better) Solid bare copper wire c/w rip Cord	Operating Environment: Indoor Operating Temperature: -20 +60°C
Insulation:	Polyolefin or similar	Core Colors (nom. OD: 0.52mm)
Flame Rating:	UL (CM), CMR/MPR optional	Pair 1: Blue - White/Blue
Sheath:	PVC; LSZH optional	Pair 2: Orange - White/Orange
Color:	Creamy Grey	Pair 3: Green - White/Green
		Pair 4: Brown - White/Brown
		Nominal UTP Cable OD: 5.20mm

## Electrical Performance (At 100MHz)

Standards:	EIA/TIA 568A/B, ISO 11801 Class D+, EN50173, UL Listed	Velocity of propagation: 69%
Impedance:	100Ohm±15% at 100MHz	Propagation Delay: 501ns/100m
		Delay Skew: 10ns/100m
		Return Loss: 17.0dB
		DC Resistance: 9.38 ohm/100m
		Mutual Capacitance: 5.5nF/100m

## Typical Cable Performance\*

Frequency (MHz)	Attenuation (dB)	P-P NEXT (dB)	ACR (dB)	PS NEXT	PS ACR
16	7.5	58	50.5	56	48.5
31.25	10.8	53.5	43	51	40.2
62.5	15.3	49.5	34	47.5	32.2
100	19.5	48.5	29.5	46.5	27
120	20.8	43.5	22.6	40.7	19.9
160	26	39.8	13.9	36.9	10.2
200	30.8	37.5	7.2	35	4

\* For sample measurement

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