

# ADC Structured Cabling Solutions

## Category 6 4-pair UTP Cable

Issue 2



This Category 6, UTP 4 -pair cable is an unshielded cable with PVC outer sheath, for use in high speed data communication. With internationally defined physical and electrical performance up to 250MHz.

### Specifications

Conductor: ..... 24 AWG copper  
Insulation: ..... Polyethylene  
Jacket: ..... PVC  
Outside diameter ..... 6.0 mm nominal  
Complies with:  
    ISO11801  
    TIA/EIA 568-B.2  
    IEC332-3

#### Mechanical Characteristics:

Minimum bending radius:  
- During installation: ..... 50mm  
- After installation: ..... 25mm  
Maximum pulling tension: ..... 108N (11kg)  
Box weight, full, nominal: ..... 14kg

#### Thermal Characteristics:

Operation: ..... -15°C to 70°C  
Installation: ..... 5°C to 40°C

#### Electrical Characteristics:

Conductor DC resistance @ 20°C (max): ..... 9.38Ω/100m  
DC resistance unbalance (max): ..... 5%  
Mutual capacitance @ 20°C (max): ..... 5.6nF/100m  
NVP Setting ..... 70%

SPEC SHEET



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Freq.	Attenuation	Return Loss	Pr-Pr ACR	Power Sum ACR	Pr-Pr NEXT	Power Sum NEXT	Pr-Pr ELFEXT	Power Sum ELFEXT
(MHz)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB100m)	(dB/100m)	(dB/100m)	(dB/100m)
1	2	20.0	72.3	70.3	74.3	72.3	67.8	64.8
4	3.8	23.0	61.5	59.5	65.3	63.3	55.8	52.8
8	5.3	24.5	55.5	53.5	60.8	58.8	49.7	46.7
10	6.0	25.0	53.3	51.3	59.3	57.3	47.8	44.8
16	7.6	25.0	48.6	46.6	56.2	54.2	43.7	40.7
20	8.5	25.0	46.3	44.3	54.8	52.8	41.8	38.8
25	9.5	24.3	43.8	41.8	53.3	51.3	39.8	36.8
31.25	10.7	23.6	41.2	39.2	51.9	49.9	37.9	34.9
62.5	15.4	21.5	32.0	30.0	47.4	45.4	31.9	28.9
100	19.8	20.1	24.5	22.5	44.3	42.3	27.8	24.8
200	29.0	18.0	10.8	8.8	39.8	37.8	21.8	18.8
250	32.8	17.3	5.5	3.5	38.3	36.3	19.8	16.8

### Ordering Information

Description	Quantity	Colour	Product No.
Category 6 4-pair Solid UTP Cable	305m reel	Grey	6499 1 030-01
Category 6 4-pair Solid UTP Cable	305m reel	Blue	6499 1 030-03

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\*KRONE Communications Ltd. is now ADC India Communications Ltd.



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