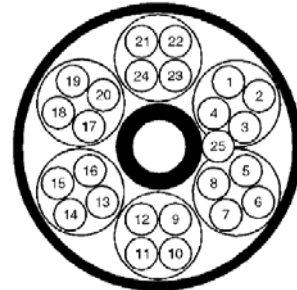


ADC Structured Cabling Solutions

UTP Riser Cable

Issue 2



NOTE: The 25th pair is twisted around the filler (Patent #6,259,031)

This Category 5 UTP 25 Pair riser cable is an unshielded cable, designed to provide connectivity with internationally defined physical and electrical performance.

Compliances:

- UL Subject 444
- ICEA-S90-661
- UL-C(UL) Type CMR/CMG
- NEC 800 type CMR
- TIA/EIA-568-B.2 Annex N Category 5 backbone cable requirements

Specifications

Conductor	24 AWG solid bare copper
Insulation	FRPE
Pairing	Short staggered Pair lays
Stabilizing filler	Lead Free PVC cabled with 25 th pair
Core	Pairs 1 to 24 formed into 6 quads and cabled around 25 th pair with filler
Colour Coding	Tight lay System, striped (See Technical section of catalogue)
Ripcord	Applied under jacket
Jacket	Lead free, Flame Retardant PVC

Common Applications:

- POTS
- T1 and T1 Fractional
- ISDN Basic and Primary Rate
- 4/16Mbps Token Ring (IEEE 802.5)
- 100Mbps TP-PMD
- 52/155Mbps ATM (ATM Forum)
- 100Base-T4 (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)

SPEC SHEET



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ADC Structured Cabling Solutions

UTP Riser Cable

- 100Base-TX (Fast Ethernet)
- 10Base-T (IEEE 802.5)

Technical Specifications

Thermal Characteristics:

Operation Temperature (max): 60°C

Electrical Performance:

Conductor DC resistance @ 20°C (max): 28.6Ω/1000 feet (9.38Ω/100 meters)

DC resistance unbalance (max): 5%

Mutual capacitance @ 20°C (max): 16.0 pF/foot (5.6nF/100 meters)

Insulation Resistance @ 20°C (min): 500 Megohms/1000 feet

Operating Voltage (max): 300Vdc

Worst case Cable Skew: 45 nS/100 meters @100MHz

Nominal velocity of Propagation: 70% @100MHz

Frequency (MHz)	Impedance (Ohms)	Attenuation (dB/100m)	PowerSum Next (dB)	SRL (dB)	PowerSum ACR (dB)
1	109	1.9	70	52	68
4	104	3.6	62	36	58
8	102	5.3	57	40	52
10	102	5.9	55	38	49
16	103	7.5	52	38	45
20	102	8.5	51	39	43
25	102	9.5	49	40	40
31.25	102	10.5	47	37	37
62.5	102	14.8	44	35	29
100	102	19.0	39	31	20

NOTE: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are also based on the TIA/EIA-568-B.2 specification.

Ordering Information

Description	Quantity	Product No.
Cat 5 UTP Riser Cable Grey, 25 Pair Q1000F	1000F Box	D2524CT0-GY02

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

SPEC SHEET



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