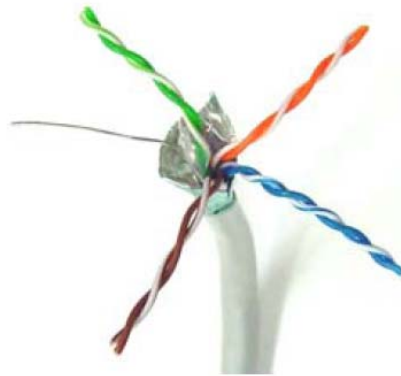


# ADC Structured Cabling Solutions

## Category 5e F-UTP Cable

Issue 2



This Category 5e UTP 4-pair Cable is an screened cable, designed to provide Category 5e Enhanced Link and Channel performance with internationally defined physical and electrical performance up to 100MHz.

The insulation on the 4 pairs for twisted copper is colour coded: Blue, Orange, Green, and Brown.

### Specifications

Conductor: ..... 0.5mm Dia. (24 AWG) copper  
Insulation:.....Polyethylene  
Jacket: .....PVC  
Drain Wire.....Tinned Copper  
Foil .....Aluminium  
Outside diameter:.....5.0 mm nominal  
Complies with : ISO/IEC11801  
                  TIA/EIA 568-B.2  
                  IEC60332.1

#### Mechanical:

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

#### Thermal:

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

SPEC SHEET



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# ADC Structured Cabling Solutions

## Category 5e F-UTP Cable

### Electrical:

Conductor DC resistance @ 20°C (max):.....9.38Ω/100m  
 DC resistance unbalances (max):.....5%  
 Mutual capacitance @ 20°C (max):.....5.6nF/100m  
 Worst case cable skew.....45ns/100m  
 NVP setting.....70%  
 Operating voltage (max): .....300Vdc

Freq.	Attenuation	Return Loss	ACR	Pr-Pr NEXT	Power Sum NEXT	Pr-Pr ELFEXT	Power Sum ELFEXT
(MHz)	(dB/100m)	(dB/100m)	(dB/100m)	(dB100m)	(dB/100m)	(dB/100m)	(dB/100m)
1	-	20	-	65.3	62.3	63.8	61
4	4.1	23	52	56.3	53.3	51.7	49
10	6.5	25	44	50.3	47.3	43.8	41
16	8.2	25	39	47.3	44.2	39.7	36.9
20	9.3	25	37	45.8	42.8	37.7	35
31.25	11.7	23.6	31	42.9	39.9	33.9	31.1
62.5	17	21.5	21	38.4	35.4	27.8	25.1
100	22	20.1	-	35.3	32.3	23.8	21

### Ordering Information

Description	Quantity	Colour	Product No.
Category 5e 4-pair, F- UTP Cable	305m reel	Grey	6499 1 023-01
Category 5e 4-pair F- UTP Cable	305m reel	Blue	6499 1 023-02

SPEC SHEET

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



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