

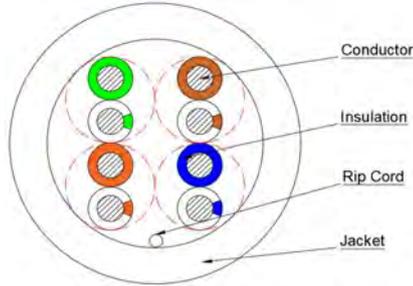


# LAN CABLE

## 5E CMR

### CMR(Riser Rated)

#### Cable Structure



#### Electrical Performance ( 20 °C )

1.0-100.0 MHz Impedance (  $\Omega$  ) 100±15  
 1.0-100.0 MHz Delay Shew ( ns / 100m ) ≤45  
 Max DC Resistance (  $\Omega$  / 100m ) 9.5  
 Max DC Conductor Resistance Unbalance ( % ) 5.0  
 Voltage Rating: 80V

#### Temperature Range

Temp Rating: 60°C  
 Operation Temperature: -20°C To +60°C

#### Technical Performance

MHz	RL ≥ dB	ATT ≤ dB	NEXT ≥ dB	PSNEXT ≥ dB
1	17	2.2	60	57
4	17	4.5	53.5	50.5
8	17	6.3	48.6	45.6
10	17	7.1	47	44
16	17	9.1	43.6	40.6
20	17	10.2	42	39
25	16	11.4	40.3	37.3
31.25	15.1	12.9	38.7	35.7
62.5	12.1	18.6	33.6	30.6
100	10	24	30.1	27.1
*200	9.0	34.4	25.8	22.8
*300	8.5	43.8	24.3	21.3
*350	8.0	46.9	22.1	19.1

#### Test Standard

ISO / IEC 11801  
 ANSI / TIA-568.2-D  
 c(UL)

#### Construction & Specifications

- Conductor: Solid-Bare Copper 0.50±0.10mm
- Insulation: High Density Polyethylene HDPE 0.85±0.03mm
- Insulation Color:
  1. Blue & White with Blue
  2. Orange & White with Orange
  3. Green & White with Green
  4. Brown & White with Brown
- Rid cord: A nylon rip cord under jacket for ease of jacket stripping
- Jacket: Premium grade PVC 5.00±0.20mm

#### Jacket Physical Properties

Before Aging Tensile Strength (MPa) ≥ 13.5  
 Before Aging Elongation (%) ≥ 150  
 Aging Period ( °C x hrs ) 100°C x 24h x 7d  
 After Aging Tensile Strength (MPa) ≥12.5  
 After Aging Elongation (%) ≥ 125

#### Packing

1,000' Box / pallet



#### Printing:

PSI DATA UTP CAT5E 4PR 24 AWG CMR (UL) c(UL) E\*\*\*\*\* FT4 VERIFIED TO ANSI/TIA - 568.2-D CAT 5e 350MHz RoHS 0000FT/1000FT

#### Remarks:

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