

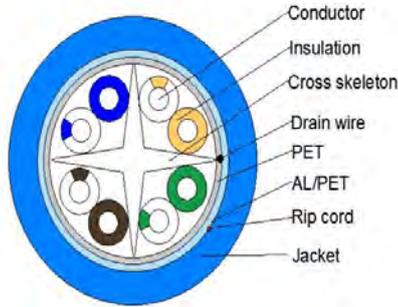


# LAN CABLE

## 6CMPSH

### CMP(Plenum 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 ) 7.23  
 Max DC Conductor Resistance Unbalance ( % ) 5.0  
 Voltage Rating: 80V

#### Temperature Range

Temp Rating: 75°C  
 Operation Temperature -20°C To +75°C

#### Technical Performance

MHz	RL ≥ dB	ATT ≤ dB	NEXT ≥ dB	PSNEXT ≥ dB
1	20	2	74.3	72.3
4	23	3.8	65.3	63.3
8	24.5	5.3	60.8	58.8
10	25	6	59.3	57.3
16	25	7.6	56.2	54.2
20	25	8.5	54.8	52.8
25	24.2	9.5	53.3	51.3
31.25	23.3	10.7	51.9	49.9
62.5	20.7	15.4	47.4	45.4
100	19	19.8	44.3	42.3
200	16.4	29	39.8	37.8
250	15.6	32.8	38.3	36.3
*350	14.6	39.8	36.1	34.1
*550	12.9	51.8	33.2	31.2

#### Test Standard

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

#### Construction & Specifications

- Conductor: Solid-Bare Copper 0.57±0.05mm
- Insulation: FEP 1.05±0.05mm
  1. Blue & White with Blue
  2. Orange & White with Orange
  3. Green & White with Green
  4. Brown & White with Brown
- Insulation Color:
- Cross : FEP
- Wrap: Overall polyester foil
- Drain wire : Tinned copper 0.40±0.05mm
- Shield: Overall polyester backed aluminum foil
- Rid cord: A Kevlar rip cord under jacket for ease of jacket stripping
- Jacket: Low Smoke PVC jacket 7.35±0.30mm

#### 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' Reel



#### Printing:

PSI DATA FTP CAT6E 550MHz 4PR 23 AWG CMP (UL) c(UL) Exxxxxx VERIFIED TO ANSI/TIA-568.2-D CAT 6E RoHS 0000FT/1000FT

#### Remarks:

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