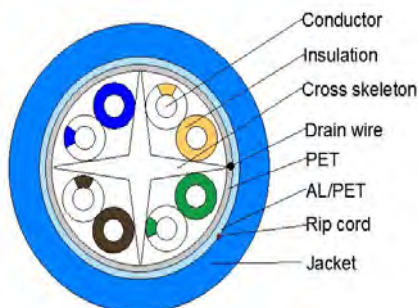




## LAN CABLE 6ACMPSH CMP(Plenum Rated)

### Cable Structure



### Test Standard

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

### Construction & Specifications

- Conductor: Solid-Bare Copper  $0.58 \pm 0.05\text{mm}$
- Insulation: FEP  $1.06 \pm 0.03\text{mm}$
- Insulation Color:
  1. Blue & White with Blue
  2. Orange & White with Orange
  3. Green & White with Green
  4. Brown & White with Brown
- Cross : FEP
- Wrap: Overall polyester foil
- Drain wire : Tinned copper  $0.40 \pm 0.05\text{mm}$
- Shield: Overall polyester backed aluminum foil
- Rid cord: A Kevlar rip cord under jacket for ease of jacket stripping
- Jacket: Low Smoke PVC jacket  $7.40 \pm 0.30\text{mm}$

### Jacket Physical Properties

Before Aging Tensile Strength (MPa)	$\geq 13.5$
Before Aging Elongation (%)	$\geq 150$
Aging Period ( °C x hrs )	$100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$
After Aging Tensile Strength (MPa)	$\geq 12.5$
After Aging Elongation (%)	$\geq 125$

### Printing:

PSI DATA CAT6A F/UTP 10Gig 500MHz 4PR 23AWG CMP \*\*\*\*\* c(ETL)us VERIFIED TO ANSI/TIA-568.2-D CAT 6A RoHS 0000FT/1000FT

### Remarks:

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### Electrical Performance ( 20 °C )

1.0-100.0 MHz Impedance (  $\Omega$  )  $100 \pm 15$   
 1.0-100.0 MHz Delay Shew ( ns / 100m )  $\leq 45$   
 Max DC Resistance (  $\Omega$  / 100m ) 7.23  
 Max DC Conductor Resistance Unbalance ( % ) 5.0  
 Voltage Rating: 80V

### Temperature Range

Temp Rating:  $75^{\circ}\text{C}$   
 Operation Temperature  $-20^{\circ}\text{C}$  To  $+75^{\circ}\text{C}$

### Technical Performance

MHz	RL $\geq$ dB	ATT $\leq$ dB	NEXT $\geq$ dB	PSNEXT $\geq$ 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

### Packing

1,000' Reel



**RoHS**  
COMPLIANT