

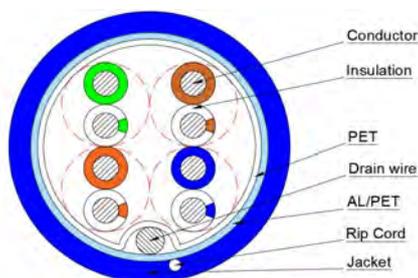


# LAN CABLE

## 5ECMRSH

### CMR(Riser Rated)

#### Cable Structure



#### Electrical Performance ( 20 °C )

1.0-100.0 MHz Impedance ( Ω ) 100±15  
 1.0-100.0 MHz Delay Shew ( ns / 100m ) ≤45  
 Max DC Resistance ( Ω/ 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±0.05mm
- Insulation: High Density Polyethylene HDPE 1.01±0.03mm
  1. Blue & White with Blue
  2. Orange & White with Orange
  3. Green & White with Green
  4. Brown & White with Brown
- Insulation Color:
- Wrap 1 : Polyester Film PET
- Drain wire : Tinned copper 0.45±0.008mm
- Shield: Overall polyester backed aluminum foil
- Rid cord: A nylon rip cord under jacket for ease of jacket stripping
- Jacket: Premium grade PVC 6.0±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

#### Printing:

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

#### Remarks:

The information on this document is, to our knowledge, true and accurate. However, since the particular uses and the actual conditions of use of our products are beyond our control, establishing satisfactory performance of our products for the intended application is the customer's sole responsibility. All uses of PSI products and any written or oral information, suggestions or technical advice from PSI is without warranty, express or implied, and is not an inducement to use any product in conflict with any patent.

#### Packing

1,000' Box / pallet

