LAN CABLE
5E CMP
CMP(Plenum Rated)

Cable Structure

Conductor
Insulation
Rip Cord
Jacket
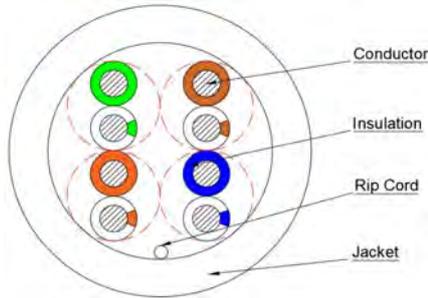
Electrical Performance (20 ℃)

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:	75°C
Operation Temperature ：	−20°C To +75°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: FEP	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 Kevlar rip cord under jacket for ease of jacket stripping
•Jacket: Low Smoke PVC jacket   4.50±0.20mm

Jacket Physical Properties

Before Aging Tensile Strength (MPa)	≥ 13.5
Before Aging Elongation (%)	≥ 150
Aging Period (℃ x hrs)	100℃ 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 CMP (UL) c(UL) E****** FT6 VERIFIED TO ANSI/TIA - 568.2-D CAT 5e 350MHz RoHS 0000FT/1000FT

Remarks:

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