

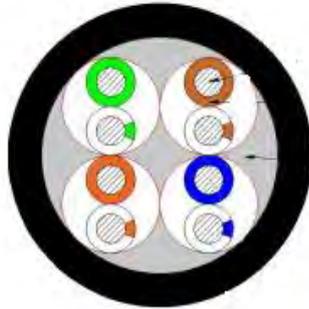


LAN CABLE

5E0DB-GEL

Outdoor Direct Burial

Cable Structure



Test Standard

ISO / IEC 11801
ANSI / TIA-568-C.2

Construction & Specifications

- Conductor: Solid-Bare Copper 0.495±0.05mm
- Insulation: High Density Polyethylene HDPE 0.92±0.03mm
 1. Blue & White with Blue
 2. Orange & White with Orange
 3. Green & White with Green
 4. Brown & White with Brown
- Insulation Color:
- Filler: GEL
- Jacket: Polyethylene Black PE jacket 5.55±0.20mm

Jacket Physical Properties

- Before Aging Tensile Strength (MPa) ≥ 9.7
- Before Aging Elongation (%) ≥ 300
- Aging Period (°C x hrs) 100°C x 24h x 2d
- After Aging Tensile Strength (MPa) ≥ 7.25
- After Aging Elongation (%) ≥ 225

Printing:

PSI DATA OUTDOOR UTP CAT5e OSP 350MHz 4PR 24 AWG VERIFIED TO ANSI/TIA - 568-C.2 CAT 5e DB UV RoHS 0000FT/1000FT

Remarks:

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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: 90°C
- Operation Temperature -20°C To +90°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

Packing

1,000' Reel / /pallet

