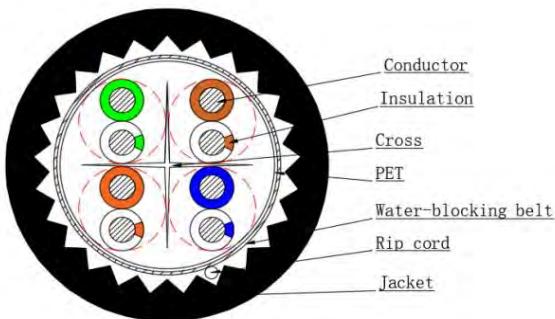




LAN CABLE 6AODB Outdoor Direct Burial

Cable Structure



Test Standard

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

Construction & Specifications

- Conductor: Solid-Bare Copper $0.57 \pm 0.10 \text{mm}$
- Insulation: High Density Polyethylene HDPE $1.05 \pm 0.03 \text{mm}$
- Insulation Color:
 - 1. Blue & White with Blue
 - 2. Orange & White with Orange
 - 3. Green & White with Green
 - 4. Brown & White with Brown
- Cross : Polyester
- Wrap: Polyester Film PET
- Shield: Water Block Tape
- Rid cord: A nylon rip cord under jacket for ease of jacket stripping
- Jacket: Polyethylene Black PE jacket $7.60 \pm 0.30 \text{mm}$

Jacket Physical Properties

Before Aging Tensile Strength (MPa)	≥ 9.7
Before Aging Elongation (%)	≥ 300
Aging Period (°C x hrs)	$100^{\circ}\text{C} \times 24\text{h} \times 2\text{d}$
After Aging Tensile Strength (MPa)	≥ 7.25
After Aging Elongation (%)	≥ 225

Printing:

PSI DATA OUTDOOR UTP CAT6A OSP 10GIG 4PR 23AWG VERIFIED TO ANSI/TIA-568.2-D CAT 6A 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 Skew (ns / 100m)	≤ 45
Max DC Resistance ($\Omega / 100\text{m}$)	9.38
Max DC Conductor Resistance Unbalance (%)	5.0

Voltage Rating: 80V

Temperature Range

Temp Rating: 90°C
Operation Temperature -40°C To +90°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 / pallet

RoHS
COMPLIANT