

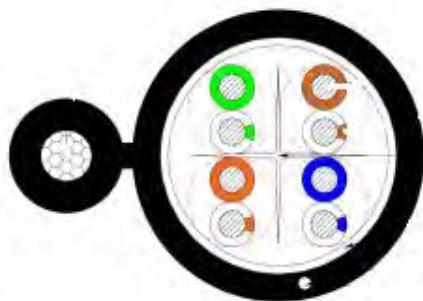


# LAN CABLE

## 6EODB-M

### Outdoor Direct Burial

#### Cable Structure



#### Test Standard

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

#### Construction & Specifications

- Conductor: Solid-Bare Copper  $0.56 \pm 0.05$ mm
- Insulation: High Density Polyethylene HDPE  $0.98 \pm 0.03$ mm
- Insulation Color:
  - Blue & White with Blue
  - Orange & White with Orange
  - Green & White with Green
  - Brown & White with Brown
- Cross : Polyester
- Wrap: Water Block Tape
- Rid cord: A nylon rip cord under jacket for ease of jacket stripping
- Messenger Wire: Stranded Galvanized Steel Wire  $7 \times 0.38 \pm 0.05$ mm
- Jacket: Polyethylene Black PE jacket  $6.35 \times 8.5 \pm 0.20$ mm

#### Jacket Physical Properties

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

#### Printing:

PSI DATA OUTDOOR UTP CAT6e OSP 550MHz 4PR 23AWG VERIFIED TO ANSI/TIA-568-C.2 CAT 6e DB UV 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 Skew ( ns / 100m )       | $\leq 45$    |
| 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 | $-20^{\circ}\text{C}$ To $+90^{\circ}\text{C}$ |

#### Technical Performance

| MHz   | RL $\geq$<br>dB | ATT<br>$\leq$ dB | NEXT $\geq$<br>dB | PSNEXT<br>$\geq$ 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