

PRODUCT DATA SHEET

U/UTP CAT6E Outdoor Cable

Data Transmission and communication cable



Application

- For direct burial applications.
- Meets or exceeds requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 2nd Edition Class E channel standards.
- Meets or exceeds requirements of ANSI/TIA-568.2-D and IEC 61156-5 Category 6 component standards.
- Third party tested to Category 6 channel compliance.
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.
- UL Verified.

Electrical Characteristics

- Impedance: 1-250MHz 100±15(Ohms).
- Rated Temperature: 75°C
- DC Resistance Unbalance(%): Max 5.
- DC Resistance 20°C 9.5(Ohms/100m).
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M).
- Insulation Resistance: >5000MΩ*Km.
- Dielectric strength: DC 2500V 2S.

Water Blocking Compound

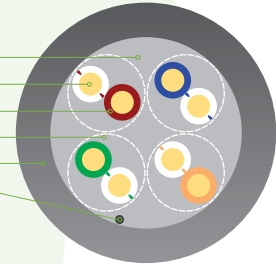
Copper Conductor

HDPE Insulation

Pair

Jacket

Rip Cord



Conductor

Conductor	Solid Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

XX: DB (Direct Buriel); HDPE Jacket
E (Exterior): LDPE Jacket

X: G: Gel filled
Blank: W/o gel filled

Nominal Transmission Characteristics

Frequency	RL (DB)	ATT (DB)	NEXT (DB)	PSNEXT (DB)	ELFEXT (DB)	PSELEXT (DB)
1	20.0	2.03	74.3	72.3	68.0	65.0
4.0	23.0	3.78	65.3	63.3	56.0	53.0
8.0	24.5	5.32	60.8	58.7	49.9	46.9
10.0	25.0	5.95	59.3	57.3	48.0	45.0
16.0	25.0	7.55	56.2	54.2	43.9	40.9
20.0	25.0	8.47	54.8	52.8	42.0	39.0
25.0	24.3	9.51	53.3	51.3	40.0	37.0
31.25	23.6	10.67	52.0	49.9	38.1	35.1
62.5	21.5	15.38	47.4	45.4	32.1	29.1
100	20.1	19.80	44.3	42.3	28.0	25.0
200	18.0	28.98	39.8	37.8	22.0	19.0
250	17.3	32.85	38.3	36.3	20.0	17.0

Note: The above transmission performance for the 100M, 20 ± 2°C under the condition is tested.

