

Data Outdoor Cable, Cat6, U/UTP, 23AWG, PE - FC63UUEB



DESCRIPTION

FABNET Category 6 U/UTP outdoor cables are specifically designed to deliver robust standards-based performance ensuring optimum bandwidth for today's high speed network applications. The cable is constructed of 23-gauge copper conductors. It consists of 8 Copper Conductors, 2 conductors twisted together to form a pair. The cable jacket is made with UV-stabilized outdoor-rated PE material suitable for outdoor applications.

APPLICATIONS

- Supports category 6 (Class E) networks running up to 250MHz applications
- 10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3)
- Indoor/Outdoor-Outdoor Ethernet Application

SPECIFICATIONS & FEATURES

- The cable shall meet ANSI/TIA-568-D.2 Cat 6 and ISO/IEC 11801-2ND EDITION Class E performance requires.
- Cable jacket UV-stabilized outdoor-rated PE material
- 23AWG premium grade copper conductor
- U/UTP cable structure with cross separator inside for better cable performance

MECHANICAL & PHYSICAL PROPERTIES

Basic Conductor	Solid Bare Copper	Category	CAT 6 U/UTP
Conductor Size	23 AWG	Pulling Force	60 N
Insulation	Polyolefin	Short Term Bend Radius	4xOD mm
Number of Insulated Conductors	8, twisted in 4 pairs	Long Term Bend Radius	8xOD mm
Color Code of Pairs	Blue x White/Blue, Orange x White/ Orange, Green x White/Green, Brown x White/ Brown	Operating Temperature	-40 to +80C
Outer Jacket	PE	Installation Temperature	-10 to +60C
Jacket Color	Black	Storage Temperature	-40 to +80C

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-250 MHz
DC Resistance	80 Ohm/Km max
Resistance unbalance	2% max
Capacitance	56 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1600 pF/Km max. @ 1 KHz
Voltage rating	72 Vdc max.
Dielectric strength	1.7 KV A.C/2 Seconds
Velocity of Propagation (NVP)	67-69%
Propagation delay	534 + 36/f½ nS/100m max @ 1-250 MHz
Propagation Delay Skew	45 nS/100m max @ 1-250 MHz
Insulation Resistance	5000 MegaOhm·Km min. @ 500 Vdc
Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-250 MHz

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
305	6.2±0.3	BOX
500	6.2±0.3	REEL

ORDERING INFORMATION

FC63UUEB-AT	Data Outdoor Cable, Cat6, U/UTP, 23AWG, PE, Black, 305 Mtr
FC63UULW-AF	Data Outdoor Cable, Cat6, U/UTP, 23AWG, PE, Black, 500 Mtr