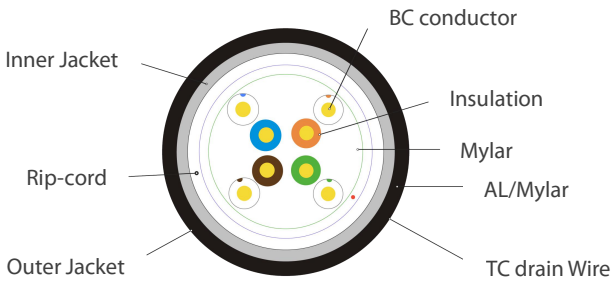
Cat5e Outdoor Direct Burial Bulk Cable

24AWG • 4 Twisted Pairs • PE&PVC • F/UTP • 350MHz • Solid Copper



Overview

This Cat5e shielded cable is connector free, giving the user the freedom to customize the length, wiring, and application. Applications include direct burial, outdoors, and other environments where the cable may need a UV resistance & waterproof shield.



Key Features

- Double Jackets to Protect Against Cuts, Scraps and Tearing
- UV Resistant Jacket Designed to Withstand Sunlight, Dirt, Snow, and Moisture
- Pure Bare Copper Transmit Faster while Lasting the Distance than CCA
- Marked Every 1m (3.28ft) on Cable Makes Measuring Easy
- Support PoE, PoE+ (IEEE 802.3af/at), CE, Reach, RoHS Certified
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer

Application

- Rated for any 10/100/1000Base-T Ethernet
- Perfectly for Outdoor/Burial installation projects

Specifications

Physical Characteristics	
Operating Temp. Range	-40 to 80° C (-40 to 176° F)
Max. Operating Voltage (v)	80
Reference Standard	ISO/IEC 11801, ANSI/TIA-568.2-D, IEC61156

Conductor	
Conductor Type	Solid Bare Copper
Wire Gauge (AWG)	24
Conductor Nom.O.D. (mm)	0.500 ± 0.005
Conductor Qty.	4 Twisted Pairs

Insulation	
Insulation Material	HDPE
Insulation Diameter (mm)	1.00 ± 0.05
Core Color	A. Blue, White – Blue B. Orange, White – Orange C. Green, White – Green D. Brown, White - Brown

Jacket	
Material	LDPE (Complies RoHS)
External O.D. (mm)	7.4 ± 0.5
Thickness (mm)	0.55 ± 0.1
Color	Black
Surface	Clean, Frap, Satiation
Rip Cord	Yes

Specifications

Inner Jacket	
Material	PVC
Thickness (mm)	0.55

Electrical Characteristics	
1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-100.0MHz Delay Skew (ns/100m)	≤45
Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance @20℃ (ohms/100m)	9.5
Resistance Unbalance (%)	≤5.0

Mechanical Characteristics	
Before Aging Tensile Strength (Mpa)	≥10.0
Before Aging Elongation (%)	≥350
Aging Period (℃×hrs)	100℃×24h×7d
After Aging Tensile Strength (Mpa)	≥9.7
After Aging Elongation (%)	≥300
Cold Bend (-20±2℃×4h)	8 × Cable O.D., No Visible Cracks

Packing	
Packing Type	1000ft (305m) / Carton
Carton Dimension (HxWxD)	260×390×390 MM