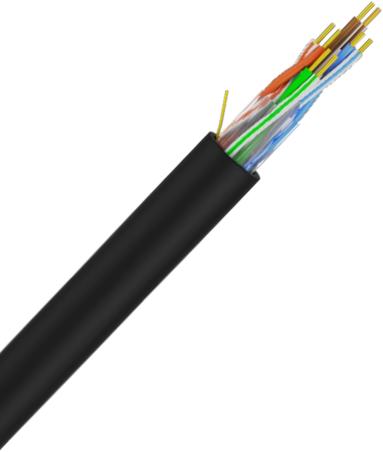




## SY-UTP5E-PE

## CAT5E FTP, 24AWG CU, BLACK PE, CPR Fca, 305M

**Application:**

OSP-Outdoor, Premise Horizontal Cable, Ethernet 1000BASE-T, Ethernet 100BASE-TX, Ethernet 10BASE-T, PoE++, PoE+, PoE

**General**

Cable Type	Category 5E
Operating Frequency	100MHz
Conductor	Solid Copper
Number of Pairs	4
Insulation Material	HDPE
Insulation Color	Blue, White/Blue; Orange, White/Orange; Green, White/Green; Brown, White/Brown
Gel Filled	Yes
Rip Cord	Yes
Jacket Material	PE
Jacket Color	Black
Packing	305M Pull Box

**Dimensions**

Conductor Diameter	24AWG	0.019 in	
Insulation Diameter	0.87 mm	0.034 in	
Diameter over Jacket	4.80 mm	0.189 in	
Pull box	Length	345 mm	13.58 in
	Width	345 mm	13.58 in
	Height	205 mm	8.07 in

**Mechanical**

Operating Temperature	-40°C to +70°C	
Bend Radius	Dynamic	51 mm Min.
	Static	25 mm Min.
Pull Tension	25 lbs Max.	
UV Resistance	ASTM D4329-92 (720hours UL1581)	

**Electrical**

Transmission Standards	ANSI/TIA-568.2-D   ISO/IEC 11801 Class D   EN 50173-1	
Operating Voltage	80 V Max.	
Characteristic Impedance	100 ± 15 Ohms	
Conductor DC Resistance	102 Ohms / km	31.1 Ohms / kft
DC Resistance Unbalance	5 % Max.	
Dielectric Strength	1500 Vac   2500 Vdc Min.	
Mutual Capacitance	5.6 nF / 100m	1.7 nF / 100ft
Pair to Ground Capacitance Unbalance	330 pF / 100m	101 pF / 100ft
Velocity of Propagation	69 % nominal	
Delay Skew	45 ns Max.	

**Compliance**

Applicable	RoHS2.0(2011/65/EU)
Reaction to fire	IEC 60332-1-2 EN 50575:2014+A1:2016   EN 13501-6(Fca)
Warranty	3 years



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