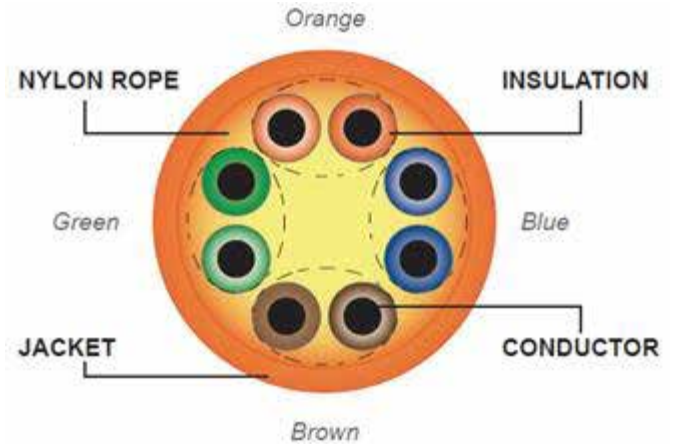




Our U/UTP category 5E cable is designed for top speed data transmission and consists of 4-pair 24 AWG copper wires. Manufactured in accordance with the highest data transmission standards for LAN networks, the Cat.5E twisted pair configuration guarantees top performance and meets all international telecommunications and electrical standards, including ANSI/TIA/EIA-568 C.2, and ISO/IEC 11801. It is perfect for structured cable installations of all kinds. Each box contains a reel with 1000 feet (305 meters) of cable.



PCGUCC5ECMGR



Frequency	Att.	Pr-Pr	PS	Prop.	Delay	Return	Pr-Pr	PS
MHz	Solid	NEXT	NEXT	Delay ns	Skew ns	Loss	ELFEXT	ELFEXT
1	2.0	65.3	62.3	538.5	45	20.0	63.8	60.8
10	5.9	50.3	47.3	545.0	45	25.0	43.8	40.8
16	8.0	47.3	44.4	539.9	45	25.0	39.7	36.7
20	9.2	45.8	42.8	540.2	45	25.0	37.7	34.7
25	10.6	44.4	41.3	540.8	45	24.3	35.8	32.8
31.25	11.7	42.9	39.9	541.4	45	23.6	33.9	30.9
62.5	17.0	38.4	35.4	542.5	45	21.5	27.8	24.8
100	22.0	35.3	32.3	543.0	45	20.1	23.8	20.8



E318654



**Product specifications**

**Wire characteristics**

Cable type	U/UTP "Unshielded Twisted Pair"
Number of pairs	4
Number of wires	8
Wire type	Solid bare copper
Wire gauge size	24 AWG

**Internal characteristics**

Internal jacket material	HDPE(CMI-75E)
Average min. thickness	0.178 mm
Min. thickness	0.153 mm

**Color combinations**

Pair 1	Blue and white / Blue
Pair 2	Orange and white / Orange
Pair 3	Green and white / Green
Pair 4	Brown and white / Brown

**External characteristics**

External jacket designation	CM
External jacket material	75°C PVC (CMI-80S)
Average min. thickness	0.50 mm +/- 0.05 mm
Min. thickness	0.458 mm
Average cable diameter	5.0 mm +/- 0.4 mm
Max. strength	11 Kg
Available jacket colors	Gray

**Electrical characteristics**

Voltage rating	300V
Temperature rating	75°C
Characteristic impedance (Zo)	85-115Ω (1-100 MHz)
Conductive resistance	Max 9.38Ω/ 100M 20°C
DC resistance capacitance unbalance	5%
Pair-to-ground capacitance unbalance	Max 330 pF/100m
Mutual capacitance	Max 5600 pF/100m
Dielectric strength	DC 2.5kV/2sec or AC 1.75kV/2sec
Nominal velocity of propagation (NVP)	69%

**Transmission characteristics**

Transmission speed	100 Mbps
Bandwidth	100 MHz
Link max. distance	90 m

**Certifications and standards**

International standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801
UL certificate	20080117 – E318654, DUZX.E318654, DVBI.E356966

**Miscellaneous**

Color	GRAY
MPN	PCGUCC5ECMGR
UPC	798302034549
Labeling	NEXXT U/UTP INSTALL CABLE 24AWG 4PR CM 75 °C (UL) E318654 ANSI/TIA 568C.2 CAT.5E XXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Carton box
Cable length	1000ft / 305m
Cuff	1,08
Warranty	Limited lifetime warranty*