

Network Cable, Cat5e, UTP

Features:

- Impedance Matched
- Gold Plated Contacts
- Unique PVC Jacket
- Snag Free Boots
- Strain Relief
- Standards Tested
- Meet or exceed current Cat5e proposed standards
- Available Colors: Grey, Blue, White, Black, Red, Yellow and Green
- Available Lengths: 0.5 m, 1.0 m, 1.5 m, 2.0 m, 3.0 m, 5.0 m, 7.5 m, 10.0 m, 15.0 m, 20.0 m, 30.0 m

Specifications:

- UTP
- UL Listed
- Certified to 350 MHz
- EIA/TIA Approved
- 4 Pairs
- RJ-45 Connectors



Basic Product Data

Outer Shielding	PVC
Inner Shielding	HD-PE
Connector	RJ45 8P8C Plug
Mutual Capacitance	MAX 560pF/100m
Characteristic Impedance	100Ω ± 15
Conductor DC Resistance (Ω/100m)	MAX 9.38 Ω/100m at 20° C
Voltage (vAC/vDC)	1.5
Delay Skew50ns
Propagation Delay	555ns
Nominal Velocity of Propagation	N/A
Operating Temperature (° C)	-20° C~60° C
Storage Temperature (° C)	-20° C~60° C
Bend Radius54
Conductor Materials	Bare Copper
Insulation Materials	HD-PE
Jacket Materials	PVC

Product Approvals

UL Listed File Number	E213738
CM/CMR/CMP Standard	CM rated
ETL Verified Performance Standard	3146818CRT-002d

Performance Characteristics

Frequency (MHz)	Insertion Loss (dB/100m) Maximum	NEXT (dB) Minimum / Typical	PSNEXT (dB) Minimum / Typical	ELFEXT (dB) Minimum / Typical
0.772				
1	3	60	57	57.4
4	4.5	53.5	50.5	45.4
8	6.3	48.6	45.6	39.3
10	7.1	47	44	37.4
16	9.1	43.6	40.6	33.3
20	10.2	42	39	31.4
25	11.4	40.3	37.3	29.4
31.25	12.9	38.7	35.7	27.5
62.5	18.6	33.6	30.6	21.5
100	24	30.1	27.1	17.4
155	No need	No need	No need	No need
200	No need	No need	No need	No need

Frequency (MHz)	PSELFEXT (dB) Minimum / Typical	Return Loss (dB) Minimum / Typical	ACR (dB) Minimum / Typical	PS ACR (dB) Minimum / Typical
0.772				
1	54.4	17	57	54
4	42.4	17	49.1	46.1
8	36.3	17	42.3	39.3
10	34.4	17	39.9	36.9
16	30.3	17	34.5	31.5
20	28.4	17	31.8	28.8
25	26.4	16	28.9	25.9
31.25	24.5	15.1	25.9	22.9
62.5	18.5	12.4	15	12
100	14.4	10	6.1	3.1
155	No need	No need	No need	No need
200	No need	No need	No need	No need

