

Network Cable, Cat6, UTP

Features:

- Impedance Matched
- Gold Plated Contacts
- Unique PVC Jacket
- Snag Free Boots
- Strain Relief
- Standards Tested
- Meet or exceed current Cat6 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
- EIA/TIA Approved
- 4 Pairs
- RJ-45 Connectors



Basic Product Data

Outer Shielding	PVC
Inner Shielding	HD-PE
Connector	RJ45 8P8C Plug
CMP/CMR	CM
Mutual Capacitance	MAX 56pF/m
Characteristic Impedance	100Ω ± 15Ω @ 1~250MHz
Conductor DC Resistance (Ω/100m)	MAX 9.38 Ω/100m at 20° C
Voltage (vAC/vDC)	N/A
Delay Skew50ns
Propagation Delay536nS/100M max @ 250MHz
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)		NEXT (dB)		PSNEXT (dB)		ELFEXT (dB)	
	Maximum		Minimum / Typical		Minimum / Typical		Minimum / Typical	
0.772								
1	3		65		62		63.3	
4	4		63		60.5		51.2	
8	5.7		58.2		55.6		45.2	
10	6.3		56.6		54		43.3	
16	8		53.2		50.6		39.2	
20	9		51.6		49		37.2	
25	10.1		50		47.3		35.3	
31.25	11.4		48.4		45.7		33.4	
62.5	16.5		43.4		40.6		27.3	
100	21.3		39.9		37.1		23.3	
155	31.5		34.8		31.9		17.2	
200	35.9		33.1		30.2		15.3	

Frequency (MHz)	PSELFEXT (dB)		Return Loss (dB)		ACR (dB)		PS ACR (dB)	
	Minimum / Typical		Minimum / Typical		Minimum / Typical		Minimum / Typical	
0.772								
1	60.3		19		62		59	
4	48.2		19		59		56.5	
8	42.2		19		52.5		49.9	
10	40.3		19		50.2		47.7	
16	36.2		18		45.2		42.6	
20	34.2		17.5		42.6		39.9	
25	32.3		17		39.9		37.2	
31.25	30.4		16.5		37		34.3	
62.5	24.3		14		26.9		24.1	
100	20.3		12		18.6		15.8	
155	14.2		9		3.3		0.3	
200	12.3		8		-2.8		-5.8	

