



Category 3 Multipair Cables

Applications:

10Base-T, 100Base-T4

Standards:

ISO/IEC11801, ANSI/TIA/EIA-568-B

Product Construction Matrix:


		U/UTP	F/UTP
Conductor	Material	Solid Plain Copper	Solid Plain Copper
	Stranding(No./mm)	1/0.5	1/0.5
	Gauge	24AWG	24AWG
Insulation	Material	PE	PE
	Diameter	0.86 mm	0.86 mm
Screen	Material	Nil	Aluminum /Polyester Tape
Drain Wire	Material	Nil	1/0.5 mm
Assembly	No of Pairs	25/50/100	25/50/100
Jacket	Material	PE/PVC/LSF/LSZH	PE/PVC/LSF/LSZH

Remark: PE- Polyethylene; PVC- Polyvinyl Chloride; LSF- Low Smoke & Fume; LSZH- Low Smoke Zero Halogen; LSFROH-Low Smoke Flame Retardant Zero Halogen (to IEC60332-3C); PVC can be classified as CMX, CM, CMR and CMP

Working Frequency:

1-16MHz

Product Certification:

E222756 

Technical Parameters:

- ☆ Characteristic Impedance: $100 \pm 15\Omega$
- ☆ Nominal Velocity of Propagation (NVP): 69%
- ☆ Maximum DC Resistance: $9.38\Omega/100m$
- ☆ Maximum Resistance Unbalance: 5%
- ☆ Maximum Propagation Delay Skew: 30 ns/100m
- ☆ Maximum Propagation Delay: 536 ns/100m@100 MHz
- ☆ Minimum Bending radius: 10 x Overall Diameter
- ☆ Voltage Rating: 60V rms
- ☆ Maximum Pulling load: 80N
- ☆ Working Temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- ☆ Storage Temperature: $-5^{\circ}\text{C} \sim +50^{\circ}\text{C}$
- ☆ Flame Retardancy: UL 1581 (CM Jacket); UL 1666 (CMR Jacket); UL 910 (CMP Jacket); IEC 60332-1 (FRPVC & LSZH Jacket); IEC 60332-1 and IEC 60332-3C (LSFROH Jacket)



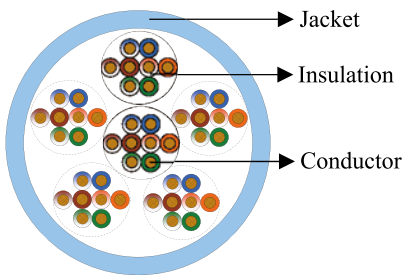
Product Categories:

FREQ (MHz)	NEXT(dB/100m)			IL (dB/100m)	SRL(dB/100m)		
	Minmum Value	Typical Value	Standard Value		Minmum Value	Typical Value	Standard Value
1	43.0	48.0	41.0	2.6	13.0	16.0	12.0
4	34.0	38.0	32.0	5.6	13.0	16.0	12.0
8	29.0	33.0	26.0	8.5	13.0	16.0	12.0
10	28.0	33.0	26.0	9.8	13.0	16.0	12.0
16	25.0	30.0	23.0	13.1	11.0	14.0	10.0

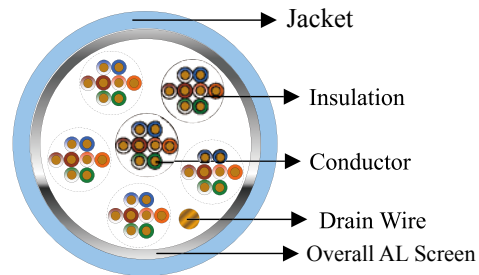


□ Product Highlights:

- ☆ Provide excellent bandwidth beyond 600 MHz.
- ☆ Support 10 Gigabit Ethernet application.
- ☆ Meet the strict flame retardancy and environmental requirements in Europe and US.
- ☆ Different jacket materials available for choice.



Cat3 U/UTP



Cat3 F/UTP

