



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: $-20^{\circ}C \sim +60^{\circ}C$
- ☆ Storage Temperature: $-5^{\circ}C \sim +50^{\circ}C$
- ☆ 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:

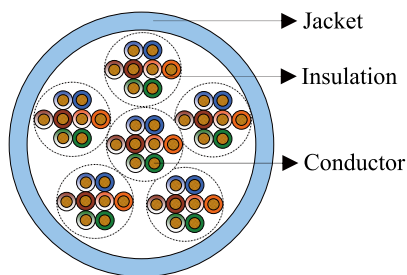
FREQ (MHz)	NEXT(dB/100m)			IL (dB/100m)	SRL(dB/100m)		
	Minum Value/Typical Value/Standard Value				Minum Value/Typical Value/Standard Value		
1	43.0/48.0/41.0			2.6	13.0/16.0/12.0		
4	34.0/38.0/32.0			5.6	13.0/16.0/12.0		
8	29.0/33.0/26.0			8.5	13.0/16.0/12.0		
10	28.0/33.0/26.0			9.8	13.0/16.0/12.0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

Product Highlights:

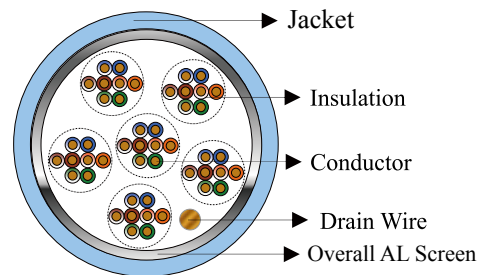
- ☆ Provide excellent bandwidth beyond 600 MHz.
- ☆ Support 10 Gigabit Ethernet application.
- ☆ Meet the strict flame retardancy and environmental requirements in Europe and US.
- ☆ Different jacket materials available for choice.

© Ordering Information:

Model	Product Description
AD-BC-CAT3UTP25PCM24	U/UTP Cat3 25 Pairs, CM Grade (Non-Plenum)
AD-BC-CAT3UTP50PCM24	U/UTP Cat3 50 Pairs, CM Grade (Non-Plenum)
AD-BC-CAT3UTP100PCM24	U/UTP Cat3 100 Pairs, CM Grade (Non-Plenum)
AD-BC-CAT3UTP25PLH24	U/UTP Cat3 25 Pairs, LSZH Grade (IEC60332-1)
AD-BC-CAT3UTP50PLH24	U/UTP Cat3 50 Pairs, LSZH Grade (IEC60332-1)
AD-BC-CAT3UTP100PLH24	U/UTP Cat3 100 Pairs, LSZH Grade (IEC60332-1)
AD-BC-CAT3UTP25PPE24	Outdoor U/UTP Cat3 25 Pairs (Water-blocking /UV Resistant)
AD-BC-CAT3UTP50PPE24	Outdoor U/UTP Cat3 50 Pairs (Water-blocking /UV Resistant)
AD-BC-CAT3UTP100PPE24	Outdoor U/UTP Cat3 100 Pairs (Water-blocking /UV Resistant)
AD-BC-CAT3FTP25PCM24	F/UTP Cat3 25 Pairs, CM Grade (Non-Plenum)
AD-BC-CAT3FTP50PCM24	F/UTP Cat3 50 Pairs, CM Grade (Non-Plenum)
AD-BC-CAT3FTP100PCM24	F/UTP Cat3 100 Pairs, CM Grade (Non-Plenum)
AD-BC-CAT3FTP25PLH24	F/UTP Cat3 25 Pairs, LSZH Grade (IEC60332-1)
AD-BC-CAT3FTP50PLH24	F/UTP Cat3 50 Pairs, LSZH Grade (IEC60332-1)
AD-BC-CAT3FTP100PLH24	F/UTP Cat3 100 Pairs, LSZH Grade (IEC60332-1)
AD-BC-CAT3FTP25PPE24	Outdoor F/UTP Cat3 25 Pairs (Water-blocking /UV Resistant)
AD-BC-CAT3FTP50PPE24	Outdoor F/UTP Cat3 50 Pairs (Water-blocking /UV Resistant)
AD-BC-CAT3FTP100PPE24	Outdoor F/UTP Cat3 100 Pairs (Water-blocking /UV Resistant)



Cat3 U/UTP



Cat3 F/UTP