

LAN Cable

LAN Cables

Category 6- Digital Integration



Applications:

Indoor for:

- Analog and Digital Voice
- ISDN
- Digital Integration
- Ethernet 100BaseT
- Higher Performance Ethernet Applications

Description:

- ASTM Solid Bare Copper • Plenum and Non-Plenum Versions • 4 Pair Unshielded Twisted Pair Construction
- Overall Jacket

Rating:

- NEC Type CMR and CMP
- (UL)-C(UL) Listed • (ETL)us - c(ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666 and NFPA262 Smoke & Flame Test
- TIA/EIA 568-B.2-1 Cat 6- Horizontal Cable



Verified by ETL to TIA/EIA-568-B.2

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance & Impedance	Jacket Color
4246	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic .008	None UTP	PVC	.209	CMR	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Gray, White, Blue
254246	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic Plenum .008	None UTP	Plenum Thermo-Plastic	.202	CMP	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Gray, White, Blue

Electrical Specifications Category 6

Freq. (MHz)	Attn. Avg. dB/100m	Crosstalk NEXT dB/100m	Min. ACR dB/100m	Min. PS-NEXT dB/100m	Min. PS-ACR dB/100m	Min. ELFEXT dB/100m	Min. PS-ELFEXT dB/100m	Min. SRL dB
.772	1.6	76.0	74.2	74.0	72.2	--	--	--
1.00	1.8	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4.00	3.6	65.3	61.5	63.3	59.5	55.8	52.8	23.0
8.00	5.1	60.8	55.5	58.8	53.5	49.7	46.7	24.5
10.00	5.7	59.3	53.3	57.3	51.3	47.8	44.8	25.0
16.00	7.3	56.2	48.6	54.2	46.6	43.7	40.7	25.0
20.00	8.1	54.8	46.3	52.8	44.3	41.8	38.8	25.0
25.00	9.1	53.3	43.8	51.3	41.8	39.8	36.8	24.3
31.25	10.2	51.9	41.2	49.9	39.2	37.9	34.9	23.6
62.50	14.8	47.4	32.0	45.4	30.0	31.9	28.9	21.5
100	19.0	44.3	24.5	42.3	22.5	27.8	24.8	20.1
155	24.2	41.4	16.2	39.4	14.2	24.0	21.0	18.8
200	27.8	39.8	10.8	37.8	8.8	21.8	18.8	18.0
250	31.5	38.3	5.5	36.3	3.5	19.8	16.8	17.3
300	35.0	37.1	.07	35.1	--	18.3	15.3	16.8
350	38.2	36.1	--	34.1	--	16.9	13.9	16.3
400	41.3	35.3	--	33.3	--	15.8	12.8	15.9

Values above 250MHz are for Engineering Purposes

Physical Characteristics	
Cable Weight	PL- 29 lbs/1000ft NPL- 26 lbs/1000ft
Bend Radius	1" Min (4 x Cable O.D.)
Nom. Vel. of Prop.	PL- 72% NPL - 67%
Pulling Tension	25 lbf Max.

Color Code		
Pair No.	1st Cond. Base/Band	2nd Cond.
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

JACKET: Grav. Blue. White