

LAN Cable

WEST PENN WIRE



LAN Cables

Category 5E - Enhanced - Digital Integration

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 Cat 5E- Horizontal Cable

Applications:

Indoor for:

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



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

Standard pool 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
4245	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
254245	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 5E

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	72.0	72.2	70.0	68.2	--	--	--
1.00	1.8	70.3	70.3	68.3	66.3	67.8	64.8	20.0
4.00	3.6	61.3	59.3	59.3	55.3	55.8	52.8	23.0
8.00	5.2	56.8	53.1	54.8	49.1	49.7	46.7	24.5
10.00	5.8	55.3	50.9	53.3	46.9	47.8	44.8	25.0
16.00	7.3	52.2	46.1	50.2	42.1	43.7	40.7	25.0
20.00	8.3	50.8	43.7	48.8	39.7	41.8	38.8	25.0
25.00	9.3	49.3	41.1	47.3	37.1	39.8	36.8	24.3
31.25	10.4	47.9	38.5	45.9	34.5	37.9	34.9	23.6
62.50	15.1	43.4	29.0	41.4	25.0	31.9	28.9	21.5
100	19.6	40.3	21.3	38.3	17.3	27.8	24.8	20.1
155	25.0	37.4	12.9	35.4	8.9	24.0	21.0	18.8
200	38.8	35.8	7.3	33.8	33	21.8	18.8	18.0

Values above 100MHz are for Engineering Purposes

Physical Characteristics	
Cable Weight	PL- 23 lbs/1000ft NPL- 20 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: Gray, Blue, White		