

**TECHNICAL INFORMATION ABOUT THIS PRODUCT:****DESCRIPTION:**

Category-5E UTP 1000' 8-Conductor, Bulk, Gray-Plenum Jacket, AWG24 Solid-Bare Copper, Pull Box (UL/ETL)

**TECHNICAL SPECS:**

<b>Conductor</b>	<b>Solid Bare Copper</b>
Size	24 AWG (0.51mm)
<b>Insulation</b>	<b>TEFLON</b>
Thickness (mm)	0.20
<b>Outer Diameter</b>	<b>5.3mm</b>
<b>Jacket</b>	<b>LSZH</b>
Color	Gray
<b>Color of Pairs</b>	
Pair 1	Blue,White-Blue
Pair 2	Orange,White-Orange
Pair 3	Green,White-Green
Pair 4	Brown,White-Brown

**Marking**

VERTICAL CABLE (UL) c(UL) CAT5E 4PR 24 AWG 350MHZ  
VERIFIED FT6 ETL CMP TIA/EIA 568.2 XXXFT

SEQUENTIAL FOOT MARKERS ON JACKET

**Standards**

ETL Listed, Plenum  
UL and ETL Verified to ANSI/TIA/EIA-568-A Category 5  
ISO/IEC-11801  
NEMA WC63.1

**Applications**

ANSI X3T9.5 TP-PMD (FDDI)  
ATM PMD 155 Mbps  
IEEE 802.3 Fast Ethernet :10 Base-T, 100 Base-T4, 100 Base-X  
IEEE 802.5 :4/16 Mbps Token Ring  
IEEE 802.12 :100 Base-VG



**Electrical Characteristics:**

ISO/IEC 11801, TIA/EIA 568-A

Impedance	:100Ω±15%
Max. Resistance Unbalance	:3% (5% for TIA/EIA)
Min. Propagation Velocity	:0.65C
Max. Mutual Capacitance	:5.6nF/100m
Max. Capacitance Unbalance	:3400/3300 pF/Km (ISO/IEC, TIA/EIA)
Max. D.C Resistance	:9.38Ω/100m (24AWG)
Max. D.C Loop Resistance	:19.2Ω/100m
Min. D.C Insulation Resistance	:150MΩ/Km
Max. Propagation Delay Skew	:30 ns/100m

Frequency (MHz)	Attenuation (db/00m)		Next(dB)	
	Max.	Nom.	Min.	Nom.
.772	1.8	1.6	64	80
1	2.0	1.8	62	75
4	4.1	3.8	53	69
10	6.5	5.8	47	63
16	8.2	7.8	44	60
20	9.3	8.4	42	59
31.25	11.8	10.8	39	58
62.5	17.0	15.4	35	55
100	22.0	19.5	32	50
155	28.1	24.2	29.5	48
200	32.4	28.8	27.8	44
300	41.0	35.3	25.2	39
350	44.9	39.8	24.2	33

Frequency (MHz)	ACR (dB/100m)		SRL (dB)	
	Min.	Nom.	Min.	Nom.
.772	----	----	23	34
1	----	----	23	34
4	----	----	23	33
10	----	----	23	32
16	----	----	23	31
20	----	----	23	30
31.25	----	----	21	28
62.5	----	----	18	26
100	10	25	16	25
155	2	15	14	23
200	----	----	13	20
300	----	----	11	18
350	----	----	11	17

