

Cat5e Plenum
Unshielded

U/UTP Cable | Solid Bare Copper | 1000 Ft

SKU: ET-CAT5E-PC

24AWG • 4 Twisted Pairs • CMP • U/UTP
350MHz



Packaging Available
1000ft Pull Box

Jacket Colors



Key Features



High-Performance
Data Communication Cable



Suitable for 350MHz
High-Speed Data Applications
Fast Ethernet and 1000Mbps
T1-1000BASE-T



Designed for Indoor
Installations



Flame Retardant – Plenum Rated



Category 5e Compliant
(Cat5e)



4 Twisted Pairs
(24AWG Solid Bare Copper)



CMP Plenum Rated Jacket
(Indoor/Plenum)



1000ft Pull Box



Available in Blue, White.

Print Legend

CAT5E 350MHZ CMP PLENUM UTP 4-PAIR
24AWG 1000FT

Technical Information

Conductor	Solid Bare Copper
SP line	No
Insulation	HDPE
Conductor Dia (mm)	0.51mm
Data Transfer	350MHz
Jacket	Plenum (CMP)
Weight	25 lbs

Color of Pairs



Pair 1

Blue / White-Blue



Pair 2

Orange /
White-Orange



Pair 3

Green /
White-Green



Pair 4

Brown /
White-Brown



Standard Cfonliances

ISO/IES, RoHS Compliant, ISO/IEC 11801 ClassE,
ANSI/TIA-568-C.2, Cat5e, CENELEC EN 50173-1, IEC61156-5.



Applications

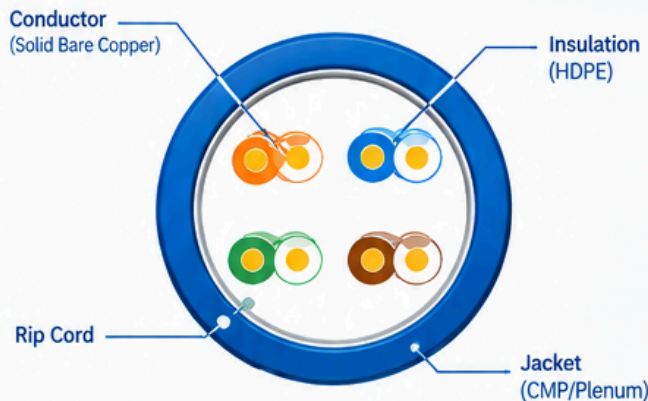
• 100 Base-TX • 1000 Base-TX • 1000G - AnyLAN
• 100 Base-T (Gigabit Ethernet) • 155 Mbps ATM • 622 Mbps AT



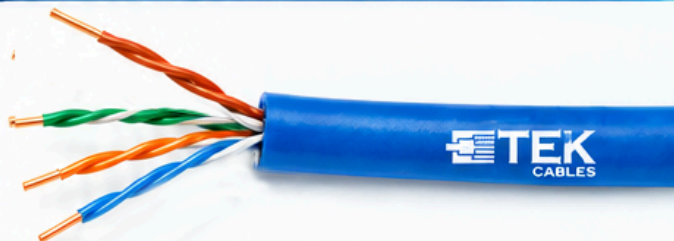
Marking

ETEK CABLES Cat5e 350MHz CMP Plenum UTP 4-PAIR 24AWG 1000FT

Cross-Section



Product Image



965 Highams Ct,
Woodbridge, VA 22191



+1 845 795 3165



www.etekcables.com



Cable ID: ET-CAT5E-PC

Test Limit: TIA Cat 5e Perm. Link (+PoE)

Limits Version: V7.6 Date / Time:

04/11/2022 09:37:18 AM

Operator: LIXIAOHONG

Headroom 8.1 dB (NEXT 3,6-4,5) Cable

Type: Cat 5e U/UTP NVP: 70.5%

Main: Versiv

S/N: 1924100

Software Version: V6.7 Build 1

Calibration Date: 11/14/2020

Adapter: DSX-8000 (DSX-PLA804)

S/N: 4523169

Test Summary: PASS

Remote: Versiv

S/N: 1917273

Software Version: V6.7 Build 1

Calibration Date: 11/14/2020

Adapter: DSX-8000R (DSX-PLA804)

S/N: 4523168

Length (ft), Limit 295	[Pair 4,5]	295
Prop. Delay (ns), Limit 498	[Pair 1,2]	451
Delay Skew (ns), Limit 44	[Pair 1,2]	25
Resistance (ohms), Limit 21.00	[Pair 7,8]	16.52
Resist. Unbal. (ohms), Limit 0.500	[Pair 7,8]	0.145
Resist. P2P Unbal. (ohms), Limit 0.570	[Pair 4,5-7,8]	0.170
Insertion Loss Margin (dB)	[Pair 1,2]	2.4
Frequency (MHz)	[Pair 1,2]	100.0
Limit (dB)	[Pair 1,2]	21.0

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	10.1	8.1	14.0	12.8
Freq. (MHz)	25.5	20.3	84.8	93.5
Limit (dB)	42.0	43.6	33.5	32.8
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	12.0	10.9	15.8	14.7
Freq. (MHz)	25.5	20.3	84.8	93.5
Limit (dB)	39.0	40.6	30.5	29.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-1,2	4,5-1,2	4,5-1,2	3,6-4,5
ACR-F (dB)	21.8	22.2	21.9	12.8
Freq. (MHz)	81.8	84.5	82.5	93.5
Limit (dB)	20.4	20.1	20.3	32.8
Worst Pair	1,2	1,2	1,2	3,6
PS ACR-F (dB)	23.6	23.7	23.9	14.7
Freq. (MHz)	81.8	83.3	84.5	93.5
Limit (dB)	17.4	17.2	17.1	29.8

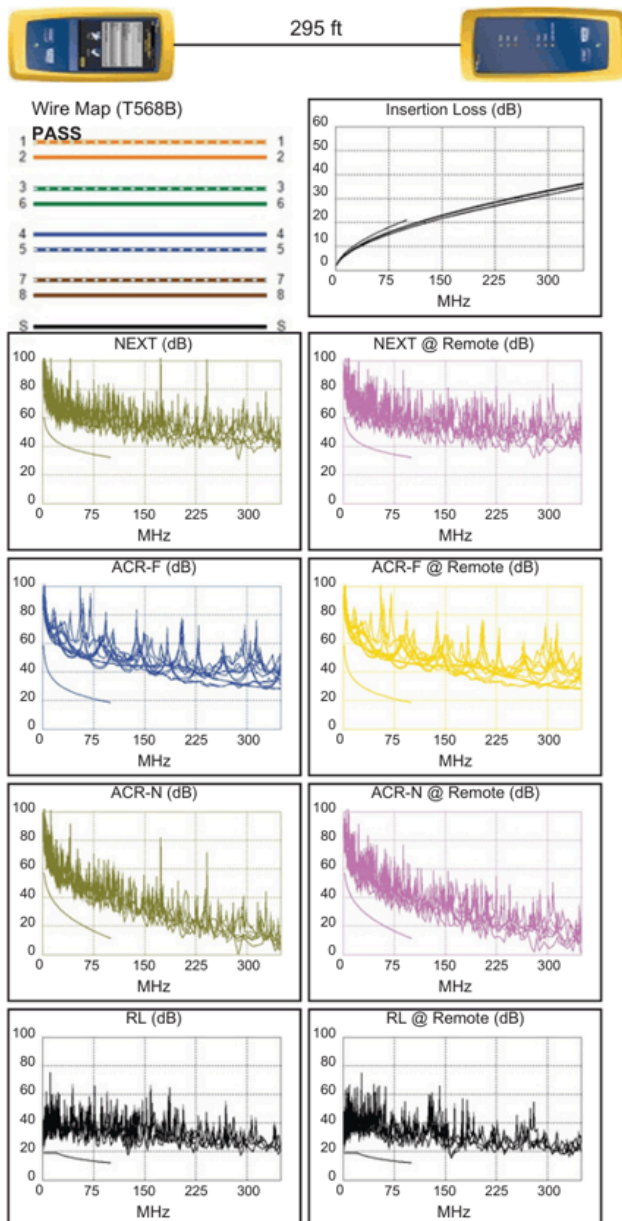
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	11.6	9.4	17.2	17.1
Freq. (MHz)	25.5	20.1	84.8	98.8
Limit (dB)	31.9	34.7	14.3	11.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.5	12.2	19.0	18.0
Freq. (MHz)	25.5	20.3	84.8	93.5
Limit (dB)	28.9	31.6	11.3	9.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	3,6	4,5	4,5
RL (dB)	8.6	9.2	8.8	9.7
Freq. (MHz)	2.9	67.3	81.5	87.5
Limit (dB)	19.0	13.7	12.9	12.6

Compliant Network Standards:

10BASE-T 100BASE-TX
100BASE-T 2.5GBASE-T
ATM-51 ATM-155
TR-4 TR-16 Active

100BASE-T4
ATM-25
100VG-AnyLan
TR-16 Passive



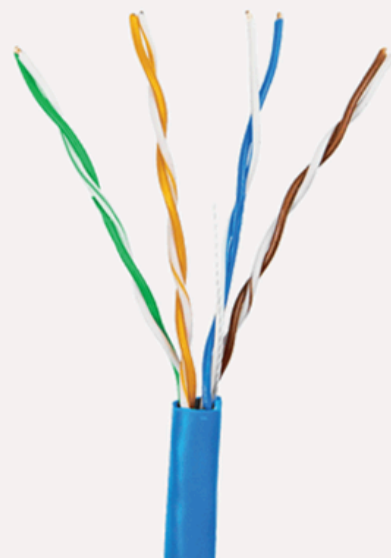
LinkWare™ PC Version 11.0

FLUKE networks



Electrical Characteristics

PoE Certification	PoE/PoE+/PoE++ 4PPoE
Maximum PoE Wattage	100W
PoE Application Compatibility	802.3af/at/bt Type 4
TIA 568-2.D Cat5e Permanent Link +PoE	CERTIFIED
Maximum Application Speed @ 295ft	2.5GBASE-T
Nominal Velocity of Propagation (NVP)	72.2
Maximum Operating Voltage	300V
1.0 - 350MHz Impedance (Ω)	100 $\pm$ 15
Maximum Operating Frequency	350MHz
1.0 - 350MHz Delay Skew (ns/100m)	$\leq$ 45
Pair-to-Ground Capacitance Unbalance (pF/km)	$\leq$ 3300
Max. Conductor DC Resistance 20°C (Ω /km)	93.8



Mechanical & Environmental Operating Parameters

Test Object	Jacket	Aging Condition (°C x hrs)	100 x 168 $\geq$ 85%
Test Material	FR-PVC	After Tensile Strength (Mpa)	of unaged $\geq$ 50%
Before- Tensile Strength (Mpa)	$\geq$ 13.8	Aging Condition - Elongation (%)	of unaged
Aging- Elongation (%)	$\geq$ 100	Cold Bend (-20 $\pm$ 2°C x 4hrs)	No Crack
Min. Bend Radius	2.0cm/0.75in	Operating & Storage Temp.	-40°C to 75°C -40°F to 167°F
Max. Installation Tension	110N/25lb-ft	Installation Temp.	-20°C to 75°C -4°F to 167°F

