



DESCRIPTION

Hyperline brings Category 5e UTP – CMP cable performance to a new level. This cable meets and exceeds the performance requirements of ANSI/TIA-568-C.2-D, guaranteeing performance up to 100 MHz tested to 350 MHz.

Hyperline Category 5e UTP – CMP cable demonstrates superior capability for 100 Base-T applications and other bandwidth intensive and legacy applications. When compared to TIA guidelines Hyperline cable meets or exceeds the specifications in every category. The overall construction comprised of 8 x 24-gauge solid bare copper cores, which are then insulated with a Fluorinated Ethylene Propylene (FEP) material and organized into four color coded twisted pair sets. Finally, the cable is protected by an overall outer flame-retardant jacket (CMP/FT6) for safety and durability.

APPLICATIONS

- Structured cabling system applications – Including: 10Base -T, 100Base -T 1000Base -T and Token Ring
- Suitable for horizontal cabling system installations as well as creating consolidation points in the horizontal subsystem
- Suitable for installation in data centers, telecommunication rooms and network equipment areas
- This range of UTP cables is designed to support Cat 5e Permanent and Channel performance.

DESIGN FEATURES

- High performance rate of transmission
- High quality of safety properties
- Meets/exceeds ANSI/TIA-568.2-D specification
- Quick Count marking system in feet
- Lower cross talk due to superior design

AVAILABLE COLOURS



FLAME TEST

- NFPA 262 (CMP)

PERFORMANCE COMPLIANCE

- ANSI/TIA-568.2-D

MATERIALS & CONSTRUCTION

Conductor	24 AWG solid bare copper
Stranding	Solid
Number of Conductors	8 (4 pair)
Insulation	All pairs: FEP 0.0075" (0.190mm)
Insulation Colors	1.Blue/White-Blue 2. Orange/White-Orange 3. Green/White-Green 4. Brown/White Brown
Rip Cord	Yes
Jacket Material	FR-PVC
Overall Cable Diameter	0.185" Nom (4.70mm)
Jacket Average Wall	0.015"(0.381mm)
UL Fram Rating	NFPA 262
Marking	As per Hyperline standard

PHYSICAL CHARACTERISTICS

Maximum Pulling Force	≤ 110 N
Minimum Bending Radius (installed)	0.75" Min
Operating Temperature	-20°C to +75°C
Installation Temperature	0°C to + 50°C
Storage & Shipping Temperature	-20°C to + 75°C

ELECTRICAL AND ENVIRONMENTAL PROPERTIES:

Operating Voltage Rating	300 V RMS
DC Resistance	93.8Ω/KM @20°C Max
Mutual capacitance	≤ 5.6 nF/100m Max
Resistance unbalance	5%
Capacitance unbalance pair-to-ground	330 pF/100m
Normal Impedance	100Ω ±15%(1-100MHz)
Data Performance Standards	TIA/EIA 568.2-D
Safety Listing Standard	UL 444

CATEGORY 5E UTP HYPERBASE CABLE – CMP

UTP4-C5E-SOLID-HB2-CMP-XX-305

Hyperline
CABLING SYSTEMS

ELECTRICAL PERFORMANCE

ITEM (dB)	ATT MAX (dB/100m)	NEXT MIN (dB)	ACR. MIN (dB)	PS. NEXT MIN (dB)	PS. ACR MIN (dB)	ELFEXT MIN (dB/100m)	PS. ELFEXT MIN (db/100m)	R.L. MIN (dB)
Frequency (MHz)								
1	2.0	68.3	66.3	66.3	64.3	63.8	60.8	20.0
4	4.1	59.3	55.2	57.3	53.2	51.7	48.7	23.0
8	5.8	54.8	49.0	52.8	47.0	45.7	42.7	24.5
10	6.5	53.3	46.8	51.3	44.8	43.8	40.8	25.0
16	8.2	50.3	42.1	48.3	40.1	39.7	36.7	25.0
20	9.3	48.8	39.5	46.8	37.5	37.8	34.8	25.0
25	10.4	47.3	36.9	45.3	34.9	35.8	32.8	24.3
31.25	11.7	45.9	34.2	43.9	32.2	33.9	30.9	23.6
62.5	17.0	41.4	24.4	39.4	22.4	27.8	24.8	21.5
100	22.0	38.3	16.3	36.3	14.3	23.8	20.8	20.1
155	28.1	35.5	7.4	33.5	5.4	20.0	17.0	18.8
200	32.4	33.8	1.4	31.8	0	17.7	14.7	18.0
240	36	32.6	N/A	30.6	N/A	16.2	13.2	17.4
300	41	31.2	N/A	29.2	N/A	14.2	11.2	16.8
350	44.9	30.1	N/A	28.1	N/A	12.9	9.9	16.3

Values above 250MHz are for information only

ORDERING

Part Number	Product Description
UTP4-C5E-SOLID-HB2-CMP-BL-305	Category 5e HyperBase, UTP, 24 AWG, Blue, 305 Meter/1000 FT Reel
UTP4-C5E-SOLID-HB2-CMP-WH-305	Category 5e HyperBase, UTP, 24 AWG, White, 305 Meter/1000 FT Reel