



PRODUCT DESCRIPTION

Category 5e Patch (Stranded cable) is ideal for voice, data, video and security communication mediums for all your network installation requirements. Manufactured to the highest quality standards and approved by 3rd party organizations such as UL, When compared to TIA guidelines meets or surpasses the specifications in every category. The cable construction is comprised of 8 x 26-gauge solid bare copper cores, which are then insulated with high density polyethylene insulation and organized into four color coded twisted pair sets of conductors within a GRM rated jacket.

USAGE & ENVIRONMENTAL CONDITION

Temperature range	Storage & shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	-20°C to 60°C
Minimum bending radius	≥ 4 times of overall diameter	
Maximum pulling tension	≤ 110 N	

APPLICATIONS

- Structured cabling for patch cable
- Transmission of digital and analogue for data, video and audio applications.
- IEEE 802.3u 100BASE-T and legacy speeds.
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

PERFORMANCE COMPLIANCE

- ANSI/TIA-568-C.2 (2009)
- ISO/IEC 11801 (Edition 2.2), IEC 61156-5 (Edition 3.1)
- Flame Test - UL 1666 (CMR)
- UL 444
- CSA 22.2 NO.214
- EU Directive 2011/65/EU (RoHS2)
- EU Directive 2006/95/EC (LVD)
- CE compliance date: 2010.01.01

PHYSICAL & ELECTRICAL CHARACTERISTICS

At 20 °C	
Temperature & voltage rating	75°C / 300V
Spark test	2.5 KV DC
AC leakage current through overall jacket	≤ 10mA (1.5KV AC)
Cable cold bend	-20°C for 4 hr
Conductor DC resistance	≤ 14.5 Ω/100m
Resistance unbalance	≤ 5%
Dielectric strength	1.5 KV ac for 2 s
Insulation resistance	≥ 5000 MΩ•m
Mutual capacitance	≤ 5.6 nF/100m
Capacitance unbalance pair-to-ground	≤ 160 pF/100m

FEATURES

- Award winning trademarked packaging
- High performance of transmission
- High quality of safety property
- Sweep frequency up to 350 MHz
- Meets/exceeds ANSI/TIA-568-C.2 specification
- Meets ISO/IEC 11801 (Edition2.2)
- Meets IEC 61156-5 (Edition2.0)
- WideMouth and Reelex carton
- Quick Count marking system in feet

Available in ten different jacket colors



ELECTRICAL PERFORMANCE COMPARISON (At 20 °C)

Frequency (MHz)	INSERTION LOSS		NEXT		PS.NEXT	
	TIA-568-C.2	Hyperline	TIA-568-C.2	Hyperline	TIA-568-C.2	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m
1	2.4	3.2	65.3	65.3	62.3	62.3
4	4.8	6.0	56.3	56.2	53.3	53.2
8	6.9	8.4	51.8	51.7	48.8	48.7
10	7.7	9.4	50.3	50.3	47.3	47.3
16	9.9	12.0	47.3	47.2	44.3	44.2
20	11.1	13.5	45.8	45.7	42.8	42.7
25	12.5	15.2	44.3	44.3	41.3	41.3
31.25	14.1	17.1	42.9	42.8	39.9	39.8
62.5	20.4	24.7	38.4	38.3	35.4	35.3
100	26.4	31.9	35.3	35.3	32.3	32.3
150		40.0		32.6		29.6
200		47.1		30.7		27.7
250		53.5		29.3		26.3
300		59.5		28.1		25.1
350		65.1		27.1		24.1

Frequency (MHz)	ACRF		PS.ACRF		RETURN LOSS	
	TIA-568-C.2	Hyperline	TIA-568-C.2	Hyperline	TIA-568-C.2	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m
1	63.8	64.0	60.8	61.0	20.0	20.0
4	51.7	51.9	48.7	48.9	23.0	23.0
8	45.7	45.9	42.7	42.9	24.5	24.5
10	43.8	44.0	40.8	41.0	25.0	25.0
16	39.7	39.9	36.7	36.9	25.0	25.0
20	37.7	37.9	34.7	34.9	25.0	25.0
25	35.8	36.0	32.8	33.0	24.3	24.1
31.25	33.9	34.1	30.9	31.1	23.6	23.3
62.5	27.8	28.0	24.8	25.0	21.5	20.7
100	23.8	24.0	20.8	21.0	20.1	18.9
150		20.4		17.4		17.47
200		17.9		14.9		16.40
250		16.0		13.0		15.60
300		14.4		11.4		15.60
350		13.12		10.12		15.60

Values above 100MHz are for information only.



Toll Free: +1-866-634-9737

www.hyperline.com | info@hyperline.com



Toll Free: +1-888-497-3748

MATERIALS & CONSTRUCTION

Conductor	Material	26AWG solid bare copper	
Insulation	Material of dual layer	Polyolefin (PO)	
	Color code & diameter	Blue & white/blue stripe	0.78 ± 0.02 mm
		Orange & white/orange stripe	0.76 ± 0.02 mm
		Green & white/green stripe	0.78 ± 0.02 mm
	Brown & white/brown stripe	0.76 ± 0.02 mm	
Rip cord	Material	Polyester multi-yarn	
Twisted	Description	Left hand direction	
Assembly	Description	Left hand direction	
Jacket	Material	Flame retardant polyvinyl chloride (FRPVC)	
	Diameter	4.5 ± 0.2 mm	
	Thickness	0.50 ± 0.05 mm	
	Color	Per Hyperline standard	

MATERIALS & CONSTRUCTION

Rip cord	Material	Polyester multi-yarn
Nominal Velocity of Propagation	(NVP) 72%	
NRTL Program	c(UL)us listed CMR	
Marking	ELITE 350 PATCH CABLE CAT 5E GIGASYSTEM TESTED TO 350MHz --- E142890 UTP 4PR 26AWG 75 C(UL)US CMR --- ETL VERIFIED TO IEC 61156-6 mmyy1 RoHS COMPLIANT XXXFT	

ORDERING

Part Number	Product Description
UUTP4-C5E-PATCH-26AWG-CMR-WH-305	Category 5e Riser, UTP, 26 AWG, White 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-BL-305	Category 5e Riser, UTP, 26 AWG, Blue 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-GY-305	Category 5e Riser, UTP, 26 AWG, Grey 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-OR-305	Category 5e Riser, UTP, 26 AWG, Orange 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-GN-305	Category 5e Riser, UTP, 26 AWG, Green 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-VT-305	Category 5e Riser, UTP, 26 AWG, Violet 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-BK-305	Category 5e Riser, UTP, 26 AWG, Black 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-YL-305	Category 5e Riser, UTP, 26 AWG, Yellow 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-RD-305	Category 5e Riser, UTP, 26 AWG, Red 305 Meter/1000 FT Pull Box
UUTP4-C5E-PATCH-26AWG-CMR-PK-305	Category 5e Riser, UTP, 26 AWG, Pink 305 Meter/1000 FT Pull Box



Toll Free: +1-866-634-9737

www.hyperline.com | info@hyperline.com



Toll Free: +1-888-497-3748