



### PRODUCT DESCRIPTION

- Category 6 Outdoor ideal for voice, video and security communications for outdoor applications. Manufactured to the highest standards and approved by organizations such as ETL when compared to TIA guidelines it meets or surpasses in all categories. Used for horizontal cable routing subsystems. Designed for broadband digital applications with low error rate (BER) Description Category 6 cabling with enhanced data transmission parameters. It consists of 4 unscreened twisted pairs, separated by cruciform separator and secure a double sheath of flame retardant, low smoke halogen-free compound (FR-LSZH).

### APPLICATIONS

- Structured cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video and audio applications.

### PHYSICAL & ELECTRICAL CHARACTERISTICS

Wave resistance	100 ohms
Maximum conductor resistance (at 20 ° C)	72 Ohm / km
Imbalance Resistance	≤ 2%
Permittance	56 pF / m
Capacitive imbalance	≤ 1,2 pF / m
The superficial velocity of propagation	68%
Propagation Delay	≤ 35 ns / 100m
Dielectric strength	700 / min
Insulation resistance	≥ 5 G Ohm km *

### PERFORMANCE COMPLIANCE

- Meets ANSI / TIA / EIA-568S.2,
- IEC 61156-5
- ISO / IEC 11801 standard fire safety
- UL VW-1
- IEC 60332-1

### FEATURES

- High performance of transmission
- High quality of safety property
- Quick Count marking system in feet
- Outdoor applications
- For the convenience of cutting the cable between the shells provided ripcord materials

Available in black



## ELECTRICAL PERFORMANCE COMPARISON (At 20 °C)

Frequency (MHz)	RETURN LOSS		NEXT		PS.NEXT		ACR	
	TIA-568-C.2	Hyperline	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	Max. dB/100m	Max. dB/100m
1	22.0	20.0	78.0	75.3	75.0	72.3	93.0	68.0
4	25.0	23.0	69.0	66.3	66.0	63.3	93.0	56.0
10	28.0	25.0	63.0	60.4	60.0	57.3	83.0	48.0
20	28.0	25.0	59.0	55.8	56.0	52.8	83.0	42.0
30	27.0	23.8	56.0	53.1	53.0	50.1	73.0	38.5
100	24.0	21.1	48.0	45.3	45.0	42.3	66.0	28.0
150	22.0	18.8	46.0	42.7	43.0	39.7	63.0	24.5
200	21.0	18.0	44.0	40.8	41.0	37.8	61.0	22.0
250	20.0	17.3	41.0	39.3	38.0	36.3	58.0	20.0

Frequency (MHz)	INSERTION LOSS		PS.ACRF	
	TIA-568-C.2	Hyperline	TIA-568-C.2	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m
1	2.0	2.8	90.0	65.0
4	3.7	3.8	90.0	53.0
10	5.7	6.0	80.0	45.0
20	8.1	8.5	80.0	39.0
30	10.0	10.5	70.0	35.5
100	19.0	19.9	63.0	25.0
150	23.6	24.9	60.0	21.5
200	27.7	29.1	58.0	19.0
250	31.4	33.0	55.0	17.0



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## MATERIALS & CONSTRUCTION

Conductor diameter	0.58 mm (23 AWG)
The diameter of the conductor insulation	1.0 mm
Cladding Diameter	6.7 mm
Cable outer diameter	8.3 mm
The tractive force	≤ 120 N
The minimum bending radius	120 mm
Operating temperature	-55 ° C - + 70 ° C
Weight 1 km of cable	52.4 kg
Marking	Per Hyperline standard

## ORDERING

Part Number	Product Description
UTP4-C6-SOLID-OUTDOOR-40	Category 6 Outdoor, UTP, 24 AWG, Black 305 Meter/1000 FT Reel



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