



1,000 ft Cat6 CMR/FT4 UTP Communication Cable

PRODUCT SPECIFICATIONS

Product Description	1,000 ft Cat6 CMR / FT4 UTP Communication Cable
Rated Temperature	-40 °F to 167 °F / -40 °C to 75 °C
Installation Temperature	-4 °F to 122 °F / -20 °C to 50 °C
Application	Designed for indoor installation only. Not suitable for outdoor or burial installation. Cable must be crimped with RJ45 connectors before connecting to an IP camera or recorder. Note: RJ45 connectors are not included.



Center Conductor

Material	Solid Bare Copper
Construct	0.02 ± 0.0002" / 0.55 ± 0.005 mm

Insulation

Material	HDPE
Outer Diameter	0.039 ± 0.00039" / 0.98 ± 0.01 mm
Color	BLUE, WHITE/BLUE, ORANGE, WHITE/ORANGE, GREEN, WHITE/GREEN, BROWN, WHITE/BROWN

Rip-Cord

Material	Nylon
Specification	200D × 3 mm/No.

Seperator

Material	PE
Specification	0.16 × 0.016" / 4.0 × 0.4 mm

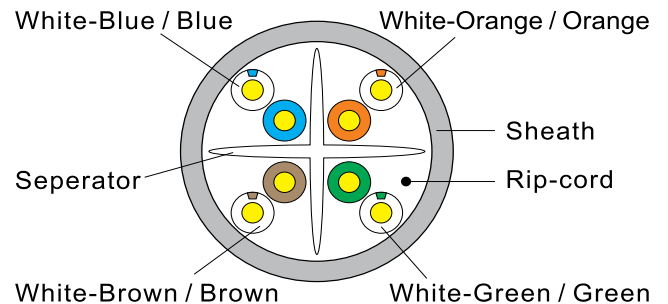
Outer Jacket

Material	CMR/FT4 ETL PVC
Outer Diameter	0.23 ± 0.0079" / 5.8 ± 0.2 mm
Color	White RAL9010
Remaining Length	Decreasing in every 2 ft

Sheath Physical Properties

Before Aging Strength (Mpa)	≥ 13.5 (Tensile) ≥ 150 (Elongation %)
After Aging Strength (Mpa)	≥ 12.5 (Tensile) ≥ 125 (Elongation %)

INTERNAL DIAGRAM



Electrical Characteristics (68 °F / 20 °C)

Impedance (Ω)	100 ± 15
Delay Shew (ns / 100m)	≤ 45
NVP	69 %
Capacitance (nF / 100 m) max	5.6
DC Resistance (Ω / 100 m) max	9.5
DC Conductor Resistance	5.0
Unbalance (%) max	



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MODEL INFORMATION

ACR-U11W-E 6-95529-05752-1

PACKAGE DIMENSIONS

Package Gift Box
 Package Weight 30.86 lb / 14 kg
 Package Dimensions (W x D x H) 15.75 x 15.75 x 8.66" / 400 x 400 x 220 mm
 Package Cube 1.24 ft³ / 0.035 m³



PACKAGE CONTENTS

- 1,000 ft Cat6 CMR / FT4 Cable

Transmission Characteristics (328.084 ft / 100 m)

Frequency (MHz)	RL ≥ dB	ATT (68 °F / 20 °C) ≤ dB	NEXT ≥ dB	Phase Delay ≤ ns	PSNEXT ≥ dB	ELFEXT ≥ dB	PSELFEXT ≥ dB
1.00	20.00	2.03	74.30	570.00	72.30	67.80	64.80
4.00	23.00	3.78	65.30	552.00	63.30	55.80	52.80
8.00	24.50	5.32	60.80	546.73	58.80	49.70	46.70
10.00	25.00	5.95	59.30	545.38	57.30	47.80	44.80
16.00	25.00	7.55	56.20	543.00	54.20	43.70	40.70
20.00	25.00	8.47	54.80	542.05	52.80	41.80	38.80
25.00	24.30	9.51	53.30	541.20	41.30	39.80	36.80
31.25	23.60	10.67	51.90	540.44	49.90	37.90	34.90
62.50	21.50	15.38	47.70	538.55	45.40	31.90	28.90
100.00	20.10	19.80	44.30	537.60	42.30	27.80	24.80
200.00	18.00	28.98	39.80	536.54	37.80	21.80	18.80
250.00	17.30	32.85	38.30	536.27	36.30	19.80	16.80
350.00	16.30	39.80	36.10	535.92	34.10	16.40	13.90
400.00	15.90	43.00	35.30	535.80	33.70	15.70	12.70
450.00	15.50	46.30	34.50	535.70	32.50	14.70	11.70
500.00	15.20	48.90	33.80	535.60	31.80	13.50	10.80
550.00	14.90	50.90	33.20	535.50	31.20	12.10	9.90