



# UniFi<sup>®</sup> Cable

Category 6 Indoor Ethernet Cable

Model: UC-C6-CMR

Speeds of Up to 10G Ethernet

23 AWG Solid Copper Conductor Pairs

Anti-Crosstalk Divider for Improved Pair Isolation

# Overview

Ubiquiti Networks introduces UniFi® Category 6 Indoor Ethernet Cable for your high-speed UniFi and general indoor network deployments.

## Performance

Available in lengths of 1000 ft (304 m), UniFi Cable is Category 6 UTP (Unshielded Twisted Pair) cabling that supports speeds of up to 10G\* Ethernet. It uses 23 AWG solid copper conductor pairs and an anti-crosstalk divider, which improves pair isolation.

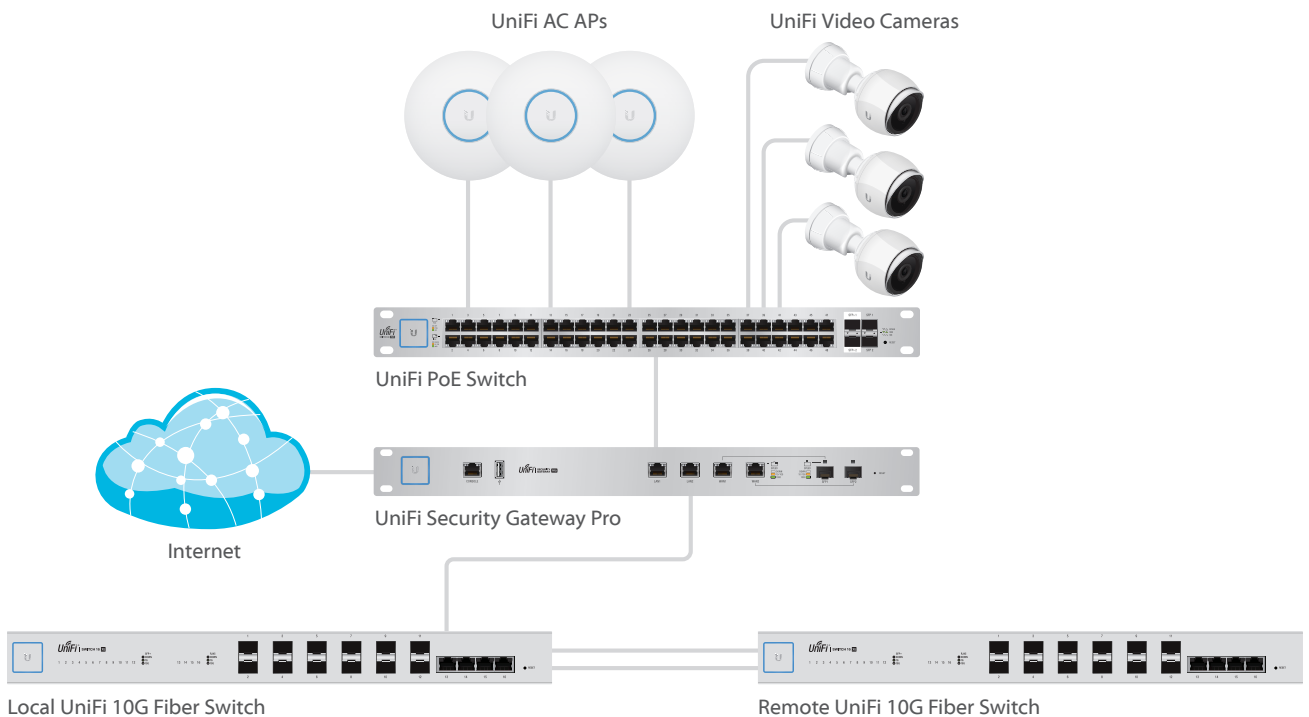
## Environment

CMR (Communications Multipurpose cable, Riser) cabling is flame-retardant and can be run vertically between floors in non-plenum areas. UniFi Cable is CMR fire-rated (also called riser-rated), making it suitable for in-wall and riser cabling applications.

*\* We recommend using Category 6 Ethernet connectors to optimize performance and accommodate the size of the 23 AWG conductors.*



## System Example

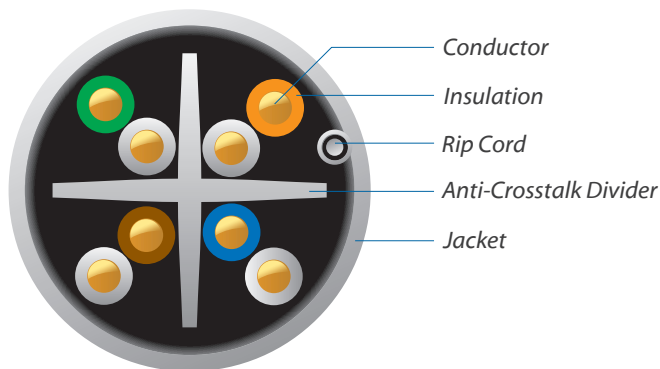


UniFi Cable connects various UniFi devices, including the aggregated link from two 10G Ethernet ports on the local UniFi 10G Fiber Switch to two 10G Ethernet ports on the remote UniFi 10G Fiber Switch.

# Specifications

UC-C6-CMR	
Cable	Category 6
Ethernet Support	Up to 10 Gbps
Conductor Type	Bare Solid Copper
Conductor Wire Gauge	23 AWG
Conductor Diameter	0.575 mm, Nominal
Insulation Type	FR-PE
Insulation Thickness	0.2 mm, Nominal
Insulation Diameter	1.0 ± 0.1 mm
Anti-Crosstalk Divider Type	FR-PE
Anti-Crosstalk Divider	5.0 x 0.5 mm, Nominal
Rip Cord	Yes
Jacket Material	PVC
Jacket Thickness	0.5 mm, Nominal
Jacket Outer Diameter	6.0 ± 0.3 mm
Jacket Color	White
Reference Standard	ISO/IEC 11801, TIA/EIA568B.2

Performance								
Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS-ACR-N (dB)	PS ACR-F (dB)
1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3
4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2
8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2
20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2
25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: [www.ubnt.com/support/warranty](http://www.ubnt.com/support/warranty)  
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