

UniFi Cable Cat6

Datasheet
U-Cable-C6-
CMR/CMP



UniFi Cable Cat6 CMR/CMP

U-Cable-C6-CMR/CMP is a Category 6 UTP (Unshielded Twisted Pair) cabling that supports speeds of up to 1Gbps. It uses 23 AWG solid copper conductor pairs and an anti-crosstalk divider, which improves pair isolation.

CMP (Communications Multipurpose cable, Plenum) cabling is for use in plenum areas where air is typically circulated in a building. Cables for these areas must adhere to strict manufacturing requirements, ensuring that they can be used in these spaces.

CMR (Communications Multipurpose cable, Riser) cabling is flame-retardant and can be run vertically between floors in non-plenum areas. U-Cable-C6-CMR 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.



Specifications

Box Dimensions	474 x 346 x 458 mm (18.7 x 13.6 x 18")
Box Weight	U-Cable-C6-CMR: 14.83 kg (32.69 lb) U-Cable-C6-CMP: 14.75 kg (32.52 lb)
Cable Length	305 m (1000 ft)
Cable Color	White
Cable Type	Category 6
Shielding Type	UTP
Flame Rating	U-Cable-C6-CMR: CMR U-Cable-C6-CMP: CMP
Conductor Wire Gauge	23 AWG
Conductor Type	Solid Bare Copper
Jacket Material	U-Cable-C6-CMR: PVC U-Cable-C6-CMP: Low Smoke Flame Retardant PVC
Jacket Diameter	U-Cable-C6-CMR: 6.0 ± 0.2 mm U-Cable-C6-CMP: 5.6 ± 0.2 mm
Bend Radius	U-Cable-C6-CMR: Min. 24 mm U-Cable-C6-CMP: Min. 22.4 mm
Pulling Tension	Max. 110 N
Storage Temperature	-20 to 75°C (-4 to 167°F)
Installation Temperature	0 to 60°C (32 to 140°F)
Operation Temperature	-20 to 60°C (-4 to 60°F)
Anti-Crosstalk Divider	Yes
Ripcord	Yes
Data Rate	10/100/1000 Base-T
Reference Bandwidth	Up to 600 MHz



Standards

Electrical Transmission:
ANSI/TIA-568-C.2 (2009)
ISO/IEC 11801 (Edition 2.2)
IEC 61156-5 (Edition 2.1)

Flame Test U-Cable-C6-CMR: UL 1666 (CMR)
Flame Test U-Cable-C6-CMP: NFPA 262 (CMP)

Material and Construction:
UL 444
CSA 22.2 NO.214
EU Directive 2011/65/EU (RoHS2)
EU Directive 2006/95/EC (LVD)



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