

# 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)<br>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<br>U-Cable-C6-CMP: CMP                                 |
| Conductor Wire Gauge     | 23 AWG   |
| Conductor Type           | Solid Bare Copper  |
| Jacket Material          | U-Cable-C6-CMR: PVC<br>U-Cable-C6-CMP: Low Smoke Flame Retardant PVC       |
| Jacket Diameter          | U-Cable-C6-CMR: 6.0 ± 0.2 mm<br>U-Cable-C6-CMP: 5.6 ± 0.2 mm               |
| Bend Radius              | U-Cable-C6-CMR: Min. 24 mm<br>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)



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

©2021 Ubiquiti Inc. All rights reserved. Ubiquiti, Ubiquiti Networks, the Ubiquiti U logo, the Ubiquiti beam logo, UniFi, and UniFi Network are trademarks or registered trademarks of Ubiquiti Inc. in the United States and in other countries. All other trademarks are the property of their respective owners.