

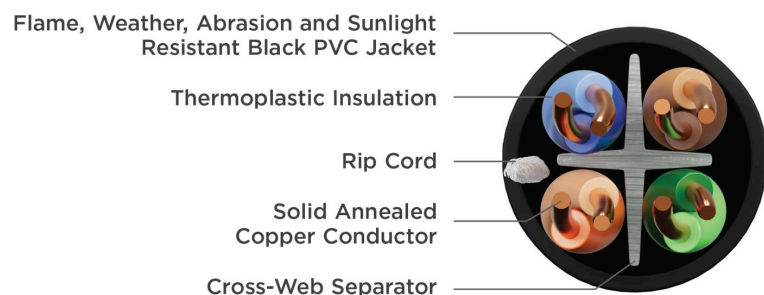
Premises Copper > Category 6 > UTP > CMR/CMX > 4 pairs > 23 AWG

4X23 Category 6 / Outdoor Sunlight Resistant / CMR/CMX / Black / 1K FT BrakeBox®

CMR/CMX

Part Number: 77-246-E1

Status: Available



GENERAL SPECIFICATIONS

Jacket	Tough, flame retardant, weather, sunlight and abrasion resistant riser PVC
Jacket Color	Black
Ripcord	Non-wicking polyester yarn
End User Application	Enterprise, Residential, LAN
Environment	Outdoor
Standards Compliance	UL 444 CSA C22.2 No. 214-08 UL 1581 UL 1666 ANSI/TIA-568.2-D ANSI/TIA/EIA-570-B Article 800, NEC (NFPA 70) RoHS-compliant/RoHS 2-compliant
NRTL Programs	UL Verified CAT 6 UL, c(UL) Listed CMR UL, c(UL) Listed CMX Outdoor Sunlight Resistant

COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
Conductor Count	8

COPPER SPECIFICATIONS

AWG (mm)	23 (0.57)
Insulation	Polyolefin
Insulation Colors	Color Tip®: Light Blue, Blue, Light Orange, Orange, Light Green, Green, Light Brown, Brown
Separator	Cross-Web
Characteristic Impedance (Ohms)	100 ± 15
Voltage Rating	300
Nominal Velocity of Propagation (%)	70

ENVIRONMENTAL SPECIFICATIONS

Operating Temp. Range	-40°F to +167°F (-40°C to +75°C)
Installation Temp. Range	-40°F to +140°F (-40°C to +60°C)
ANSI/ICEA S-100-685-2009 Tested down to -67°F (-55°C)	Section 7.1: -4°F (-20°C) cold bend test Section 7.2: +14°F (-10°C) cold impact test Section 7.3: -40°F (-40°C) anvil test

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.27 (6.9)
Nominal Weight lbs/kft (kg/km)	33 (49.25)
Package Length	1000
Package Type	BrakeBox®
Packages per Pallet	12

Product Description

The Superior Essex Category 6 CMR/CMX Outdoor Sunlight Resistant cable is specifically designed for extreme sunlight and temperature applications. The level of UV blocking compounds is the same as in traditional Outside Plant (OSP) cable products, with the black color preventing damage from long-term UV sunlight exposure. Applications include Ethernet interconnect cable for Wi-Fi or retrofit cable installations that employ exterior runs having long-term outdoor exposure between two environmentally protected points. CMX Outdoor cables are designed to extend the run between the Network Interface Unit and the point of entry into the interior of a residence or a premise.

Superior Essex CAT6 CMR/CMX Outdoor Sunlight Resistant black premises cable has been tested and listed as UL® 444 Sunlight Resistant compliant. This designation requires the cable to resist 720 hours of harsh UV and heat, which is more than twice the exposure time of the standard 300 hours required in the CMX Outdoor test. In addition, the CMR listing allows the cable to be used in riser spaces per UL 1666, eliminating the need to transition to fire resistant cables.

Applications

- 10BASE-T through 1000BASE-T Ethernet
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- Wi-Fi – IEEE 802.11a/b/g/n

Features

Benefits

- | | |
|--|---|
| <ul style="list-style-type: none">• Combined indoor/outdoor rating• UL 444/UL 1581 Sunlight Resistant Listed• Meets ANSI/TIA-568.2-D specification• BrakeBox® payout control system• Moisture-resistant package• CableID® alpha numeric code printed every 2 feet | <ul style="list-style-type: none">• Reduces inventory by eliminating multiple cable types• Increased life in direct, long term sunlight• CAT 6 performance• Adjustable tension control on reel prevents over spin and entangling of cable• Resists damp conditions that might weaken standard packages• Allows both ends of a cable run to be easily identifiable without the need to separately label or tone the cable |
|--|---|

- QuickCount® marking system in feet and meters
- ColorTip® Circuit Identification System
- Rip cord applied under jacket
- RoHS-compliant
- Provides remaining length of cable on reel
- Easily identifiable conductor mates even in low-light environments
- Facilitates easy opening
- No heavy metals; and no toxic components



Cautionary Information

Do not use as a substitute for Outside Plant (OSP) cables. Do not use in conduit or direct burial which can flood. These cables are not designed for extended exposure to water.

SUSTAINABILITY CERTIFICATIONS

