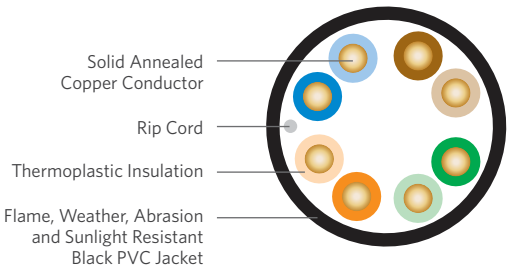
Category 5e

CMR/CMX Outdoor Sunlight Resistant



PRODUCT DESCRIPTION

The Superior Essex Category 5e 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 CAT 5e 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 802.3af
- PoE+ – IEEE 802.3at Type 1 and 2
- Wi-Fi – IEEE 802.11a/b/g/n

SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
AWG (mm)	24 (0.51)
Insulation	Polyolefin
Insulation Colors	Pair 1: ColorTip Light Blue, Blue Pair 2: ColorTip Light Orange, Orange Pair 3: ColorTip Light Green, Green Pair 4: ColorTip Light Brown, Brown
Ripcord	Non-wicking polyester yarn
Jacket	Tough, flame retardant, weather, sunlight and abrasion resistant riser PVC
Jacket Color	Black
Characteristic Impedance Ohms	100 ± 15
Nominal Velocity of Propagation %	70
Performance Compliance	UL 444 CSA C22.2 No. 214-08 UL 1581 UL 1666 ANSI/TIA-568-C.2 ANSI/ICEA S-90-661-2012 ANSI/TIA/EIA-570-B Article 800, NEC (NFPA 70) RoHS-compliant/RoHS 2-compliant
NRTL Programs	UL, c(UL) Listed CMR UL, c(UL) Listed CMX Outdoor Sunlight Resistant

ENVIRONMENTAL SPECIFICATIONS AND TESTS

Operation	-40°F to +167°F (-40°C to +75°C)
Installation	-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

FEATURES	BENEFITS
• Combines indoor/outdoor applications into one product with the added feature of Sunlight Resistant black color jacket	• Provides cost-effective solution
• Exceeds UL 444	• 720 hour sunlight resistant specification
• Meets ANSI/TIA-568-C.2 specification	• CAT 5e performance
• Moisture-resistant package	• Resists damp conditions that might weaken standard packages
• CableID® alpha numeric code printed every 2 feet	• 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	• Provides remaining length of cable on reel
• ColorTip® Circuit Identification System	• Easily identifiable conductor mates even in low-light environments
• Rip cord applied under jacket	• Facilitates easy opening
• RoHS-compliant	• No heavy metals; and no toxic components
• Combined indoor/outdoor rating	• Reduces inventory by eliminating multiple cable types
• UL 444/UL 1581 Sunlight Resistant Listed	• Increased life in direct, long term sunlight

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.*

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package	Packages per Pallet
51-240-E1	0.21 (5.3)	21 (31)	1,000' POP™ box	36

CONTACT US
1841 Industrial Ave
San Angelo, TX 76904
(325) 262-4031
www.unitedtelsupply.com
UNITED TEL·SUPPLY and SUPERIOR ESSEX