

Premises Copper > Category 6 > FTP > 4 Pairs > 23 AWG > OSP Shielded Indoor/Outdoor

4X23 EnduraGain® OSP Shielded / Category 6 / Indoor/Outdoor / FTP / Black / 1K FT Reel

Halogen-Free CM

Part Number: 04-001-62

Status: Available



Sunlight and Weather Resistant
Halogen-Free, Polyethylene Outer Jacket

Aluminum Tape Shield

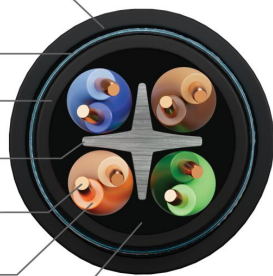
Polyethylene Inner Jacket

Cross-Web Separator

Solid Annealed Copper Conductor

Thermoplastic Insulation

PFM™ Gel-filled, Water-Repellent Core



MADE
IN THE USA

RoHS REACH

GENERAL SPECIFICATIONS

Jacket	Black, halogen-free, sunlight and weather-resistant polyethylene
Jacket Color	Black
Filling Compound	PFM™ Gel-Filled, Water-Repellent Core
End User Application	Enterprise, Residential, LAN
Environment	Indoor/Outdoor
Dry Water Block	SAP powder
Standards Compliance	ANSI/TIA-568.2-D CSA C22.2 No.214-08 UL444 UL1685 UL2556 ANSI/ICEA S-107-704-2012 RoHS-compliant/RoHS 2-compliant REACH-complaint
NRTL Programs	UL, c(UL) listed CM

COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper

COPPER SPECIFICATIONS

Conductor Count	8
AWG (mm)	23 (0.57)
Insulation	Polyolefin
Insulation Colors	Color Tip®: Light Blue/Blue, Light Orange/Orange, Light Green/Green, Light Brown/Brown
Shield	Electrically continuous 0.008 in (0.20 mm) polymer coated smooth aluminum tape shield, applied with an overlap
Separator	Polyolefin cross-web
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	68

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)	0.39 (9.8)
Nominal Weight lbs/kft (kg/km)	84 (125)
Package Length	1000
Package Type	Reel

Product Description

EnduraGain® OSP Armored Indoor/Outdoor is a CM rated category cable combining Outside Plant (OSP) Broadband features with an indoor application. It is designed to provide an extension of the LAN beyond the premises or in situations where the NEC code requires an OSP-rated cable and can be used inside the building according to NEC CM rated rules. The cable consists of four (4) balanced twisted pairs surrounded by Superior Essex PFM™ gel that does not drip or flow, even in cell tower applications at elevated temperatures. The jacketed core is covered with dry block and a shield providing exceptional Alien Crosstalk (AXT) performance. The outer jacket is an OSP-grade, black, halogen-free polyethylene for superior sunlight and abrasion resistance. This shielded design is suitable for the following deployments: duct, underground conduit, tower, lashed aerial, open trench or low-risk direct burial.

EnduraGain OSP Armored Indoor/Outdoor is available in a variety of performances including CAT 6 and CAT 6A.

Applications

- 10BASE-T through 1000BASE-T
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring

Features

- Transmission performance characterized to 500 MHz
- Corrugated, copper-clad steel armor
- Dry block between shield and inner jacket
- PFM™ gel-filled core construction

Benefits

- Assures ample overhead for reliable transmission in an OSP-rated cable allowing extension of the premises LAN
- Rugged armor provides protection against EMI/RFI and provides rodent resistance
- Prevents water ingress between shield/armor and inner cable preventing damage to equipment
- Prevents intrusion of moisture and easily wipes clean durin

- OSP-grade black polyethylene jacket
- UL® CM listed
- installation
 - Outside plant rated cable for years of reliable performance
 - Allows for CM specific application
 - Ideal for indoor/outdoor deployment



Technical Guideline

Special connectivity is required for these cable designs. Refer to Enduragain® OSP Cable Installation Technical Guideline for more information.

SUSTAINABILITY CERTIFICATIONS

