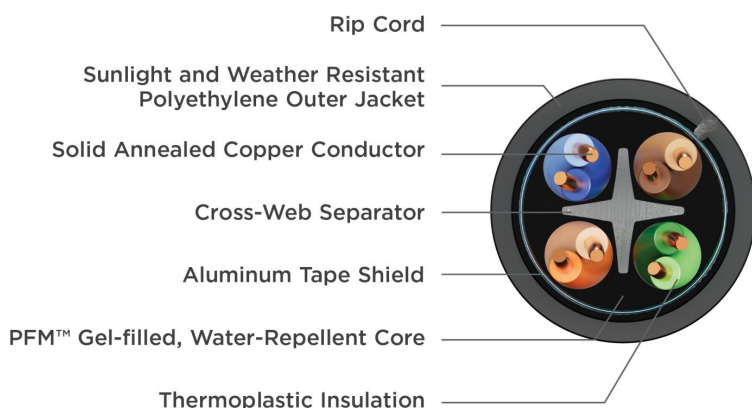


4X23 EnduraGain® OSP Shielded / Category 6 / FTP / Black / 1K FT Reel

Part Number: 04-001-64

Status: Available

**MADE
IN THE USA****RoHS REACH****GENERAL SPECIFICATIONS**

Jacket	Black, sunlight and weather resistant polyethylene
Jacket Color	Black
Filling Compound	PFM™ Gel-Filled, Water-Repellent Core
End User Application	Enterprise, Residential, LAN
Environment	Outdoor
Standards Compliance	ANSI/TIA-568.2-D ANSI/ICEA S-107-704-2012 RoHS-compliant/RoHS 2-compliant REACH-compliant
NRTL Programs	UL Verified CAT 6

COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
Conductor Count	8
AWG (mm)	23 (0.57)

COPPER SPECIFICATIONS

Insulation	Polyolefin
Insulation Colors	Color Tip®: Light Blue/Blue, Light Orange/Orange, Light Green/Green, Light Brown/Brown
Separator	Polyolefin cross-web
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	68
Inner Shield	Electrically continuous aluminum tape shield, applied with an overlap

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)	0.36 (9.1)
Nominal Weight lbs/kft (kg/km)	50 (75)
Package Length	1000
Package Type	Reel

Product Description

EnduraGain® OSP Shielded is a robust category cable designed to provide an extension of the LAN beyond the premises or in situations where the NEC code requires an OSP-rated cable when it is in contact with earth, whether in a conduit or not. 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 core is covered with dry block and an aluminum tape shield providing exceptional Alien Crosstalk (AXT) performance. The outer jacket is OSP-grade black, polyethylene for superior sunlight and abrasion resistance. This shielded design is suitable for the following deployments: duct, underground conduit, tower, lashed aerial or open trench.

EnduraGain OSP Shielded is available in a variety of performances including CAT 6 and CAT 6A. An optional Aluminum Interlock Armor with overjacket is also available (not suitable for tower deployment).

Applications

- CAT 6: 10BASE-T through 1000BASE-T Ethernet
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring

Features

- Transmission performance characterized to 500 MHz
- Aluminum tape shield
- Dry block between shield and inner jacket
- PFM™ gel-filled core construction
- OSP-grade black polyethylene jacket

Benefits

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

- ColorTip® circuit identification system

- Easily identifiable conductor mates even in low-light environments



Technical Guideline

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

SUSTAINABILITY CERTIFICATIONS

