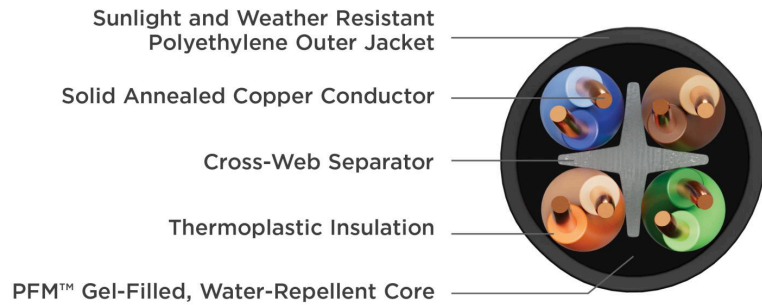


## 4X23 EnduraGain® OSP Unshielded / Category 6 / UTP / Black / 1K FT Reel

Part Number: 04-001-68

Status: Available



MADE IN THE USA

RoHS

REACH

### GENERAL SPECIFICATIONS

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

### COPPER SPECIFICATIONS

<b>Pairs</b>	4
<b>Conductor</b>	Solid annealed copper
<b>Conductor Count</b>	8
<b>AWG (mm)</b>	23 (0.57)
<b>Insulation</b>	Polyolefin
<b>Insulation Colors</b>	Color Tip®: Light Blue/Blue, Light Orange/Orange, Light Green/Green, Light Brown/Brown

### COPPER SPECIFICATIONS

<b>Separator</b>	Polyolefin cross-web
<b>Characteristic Impedance (Ohms)</b>	100 ± 15
<b>Nominal Velocity of Propagation (%)</b>	68

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temp. Range</b>	-40°F to +167°F (-40°C to +75°C)
<b>Installation Temp. Range</b>	-40°F to +140°F (-40°C to +60°C)
<b>ANSI/ICEA S-100-685-2009 Tested down to -67°F (-55°C)</b>	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

<b>Nominal Diameter in (mm)</b>	0.30 (7.6)
<b>Nominal Weight lbs/kft (kg/km)</b>	33 (49)
<b>Package Length</b>	1000
<b>Package Type</b>	Reel

### Product Description

EnduraGain® OSP Unshielded 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 a core 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 jacketed with a sunlight and abrasion resistant black, polyethylene outer jacket. This unshielded design is suitable for the following deployments: duct, underground conduit and tower.

EnduraGain OSP Unshielded is available in a variety of performances including CAT 5e, CAT 6 and CAT 6A. An optional Aluminum Interlock Armor with overjacket is also available (not suitable for tower deployment).

### Applications

- CAT 5e: 10BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring

### Features

- Transmission performance characterized to 350 MHz
- Unshielded

### Benefits

- Assures ample overhead for reliable transmission in an OSP-rated cable allowing extension of the premises LAN
- Small, robust design

- PFM™ gel-filled core construction
- OSP-grade black polyethylene jacket
- ColorTip® circuit identification system
- Prevents intrusion of and easily wipes clean during installation
- Outside plant rated cable for years of reliable performance
- 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

