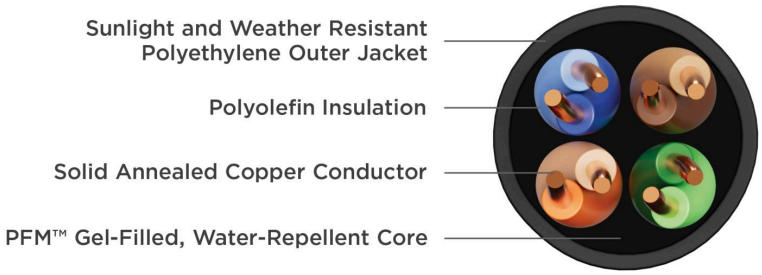
Premises OSP > Outdoor > Category 5e > 4 Pairs > 24 AWG

4X23 EnduraGain® OSP Unshielded / Category 5e / Black / 1K FT Reel

Part Number: 04-001-58
Status: Available





MADE IN THE USA

RoHS

GENERAL SPECIFICATIONS

Jacket	PE
Weather Resistant	Yes
End User Application	LAN
FIlling Compound	PFM™ Gel
Standards Compliance	ANSI/TIA-568.2-E ANSI/ICEA S-107-704-2012 RoHS-compliant/RoHS 2-compliant
NRTL Programs	UL Verified CAT 5
Pairs	4
Conductor	Bare Copper
Conductor Type	Solid
Conductor Description	Solid annealed copper
Conductor Count	8
AWG (mm)	24 (0.51)
Insulation	Polyolefin
Insulation Colors	ColorTip®: Pair 1: Light Blue / Blue Pair 2: Light Orange / Orange Pair 3: Light Green / Green Pair 4: Light Brown / Brown
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	65

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.26 (6.6)
Nominal Weight lbs/kft (kg/km)	24 (36)
Pallet Quantity (ft)	20,000
Package Length	1,000
Package Type	Reel
Packages per Pallet	20
Standard Length ft (m)	1,000 (305)
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)
Cold Temperature Tests (ANSI/ICEA S-100-685-2009)	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

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 Interlocked Armor with overjacket is also available (not suitable for tower deployment). Part number 04-001-58 is the outside plant (OSP) black version: a 4-pair, 24 AWG UTP construction with solid annealed copper conductors, polyolefin insulation and a PE jacket. Nominal diameter is 0.26 (6.6) in (mm) with an approximate weight of 24 (36) lbs/kft (kg/km), supplied on a 1,000 ft reel.

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
- 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
- Small, robust design
- Prevents intrusion of and easily wipes clean during installation
- Outside plant rated cable for years of reliable performance

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- ColorTip® circuit identification system
- Easily identifiable conductor mates even in low-light environments

Technical Guideline

Technical Guideline TG036 "EnduraGain® and MEGAPIC® OSP Cable Installation Guidelines" explains the special connectivity, cable preparation and termination these filled cable designs require. Click here for more information.

SUSTAINABILITY CERTIFICATIONS

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