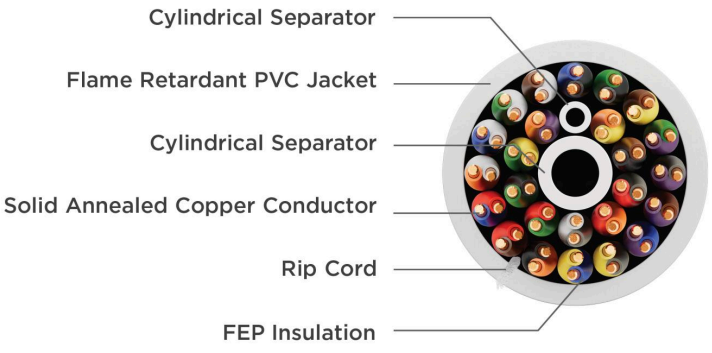
Premises Copper > Indoor > Category 5e > 25 Pairs > 24 AWG

Power Sum / Category 5e / Indoor / 25 Pairs / 24 AWG / CMP / White / 1K FT Reel

CMP

Part Number: 51-478-48
Status: Available





MADE IN THE USA

RoHS

GENERAL SPECIFICATIONS

Jacket	Fluoropolymer
End User Application	LAN
Delay Skew ns/100 m	Maximum: 45
Resistance Unbalance %	Maximum: 5.0
Pairs	25
Conductor	Bare Copper
Conductor Type	Solid
Conductor Description	Solid annealed copper
Conductor Count	50
AWG (mm)	24 (0.51)
Insulation	FEP
Insulation Colors	Standard USA Color Code Scheme
Separator	Cylindrical
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	73
Temperature Rating	75°C

COMPLIANCE & SUSTAINABILITY

Standards Compliance	UL 444 CSA C22.2 No. 214-08 UL 1666 NFPA 262 ANSI/TIA-568.2-E ANSI/ICEA S-90-661-2012 Article 800, NEC (NFPA 70) RoHS-compliant/RoHS 2-compliant
NRTL Programs	UL, c(UL) Listed CMP

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.48 (12.2)
Nominal Weight lbs/kft (kg/km)	148 (220)
Pallet Quantity (ft)	4,000
Package Length	1,000
Package Type	Wood Reel
Packages per Pallet	4
Standard Length ft (m)	1,000 (305)

Product Description

25-Pair Power Sum Category 5e UTP cables are designed to provide support for both backbone and horizontal applications. These applications include inter-closet backbone links, equipment cabling between cross connect and hub equipment and zone distribution horizontal cabling between wiring closets and multiple work area transition points. The cable is Available in CMP and CMR ratings and is UL verified to meet all requirements of ANSI/TIA-568.2-E. Part number 51-478-48 is the plenum-rated (CMP) white version: a 25-pair, 24 AWG UTP construction with solid annealed copper conductors, FEP insulation, a cylindrical separator and a fluoropolymer jacket. Nominal diameter is 0.48 (12.2) in (mm) with an approximate weight of 148 (220) lbs/kft (kg/km), supplied on a 1,000 ft wood reel.

Applications

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

Features

- Small outside diameter
- Vibrant insulation colors
- Flexible jacket material
- Marked in feet and meters

Benefits

- Handles tight installations
- Easier identification of conductors
- Ease of use during installation
- Dual length marking complies with government, military and international requirements

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Technical Guideline

Technical Guideline TG029 "Premises Cable Temperature Guidelines" provides operating, storage and installation temperature ranges for premises cables. Click here for more information.

SUSTAINABILITY CERTIFICATIONS

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