Category 6 Cable

PC6FVXM

PerfectLink™

PPC® A BELDEN BRAND

General Description

CAT6 (350MHz), 4-Pair, F/UTP-Shielded, Riser-CMR, CMX Outdoor, Premises Horizontal Cable, Pair separator

Usage (Overall):

Indoor/Outdoor, Premise Horizontal Cable, Ethernet 1000BASE-T, Ethernet 100BASE-TX, Ethernet 10BASE-T, PoE++, PoE+, PoE, Noisy Environments

Performance Specifications

Specification	Value
Conductors (4 Pairs)	AWG: 23
Conductor Material	BC - Bare Copper
Insulation Material	PO+FEP - Polyolefin + Fluorinated Ethylene Propylene
Jacket	UV Resistant PVC (720 hr)
Nominal Diameter	0.296 in (7.52 mm)
Suitability	Indoor, Outdoor, Sunlight Resistant, Oil Resistant
Shielding	Polyester + Bi-Laminate (Alum+Poly)
Storage Temperature Range	-40°F to 167°F (-40°C To 75°C)
Installation Temperature Range	-4°F to 167°F (-20°C To 75°C)
Operating Temperature Range	-40°F to 167°F (-40°C To 75°C)
UL Temperature Range	194°F (90°C)
Flammability / Reaction to Fire	UL 1666 Riser, FT4, IEEE 1202 Vertical Tray Flame Test, IEC 60332-1-2
Bulk Cable Weight	41 lbs/1000ft
Max Recommended Pulling Tension	25 lbs (11 kg)
Min. Bend/Stationary	2.5 in (64 mm)
Min. Bend/Installation	3.0 in (76 mm)



Electrical Properties

Specification	Value
Max. Capacitance Unbalance	330 pF/100m
Delay (ns/100 m)	537 @ 100 MHz
Max. Conductor DCR	93.8 Ohm/km (28.6 Ohm/1000ft)
Nominal Velocity of Propogation VP	68%
CPR Compliance	CPR Euroclass: Eca; CPR UKCA Class: Eca
CEC / C(UL) Compliance	CMX-Outdoor; CMG
TIA/EIA Compliance	ANSI/TIA-568.2-D Category 6

Ordering Information

Example	PC6FVXM -	WHT	R	1000
Character	PC6FVXM -	1	2	3

1. **Jacket Color**
   WHT = White
   BLK = Black
   BLU = Blue

2. **Packaging**
   R = Reel

3. **Length**
   1000 = 1,000 ft

Unless otherwise specified, dimensions, material, electrical, and mechanical specifications shall comply with ANSI/TIA/EIA-568-C.2
**Cable image for reference only. Other colors, packaging, lengths available upon request*

RoHS COMPLIANT

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These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents

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