

WIREFATH

BULK WIRE

SP-CAT6PS-1000-XX

23AWG, Solid bare copper, CAT6, CMP, foil screen with drain wire

Features

- Sweep frequency up to 550MHz
- High transmission performance
- Twisted pair construction, 100% Aluminum Mylar Shielding

Application

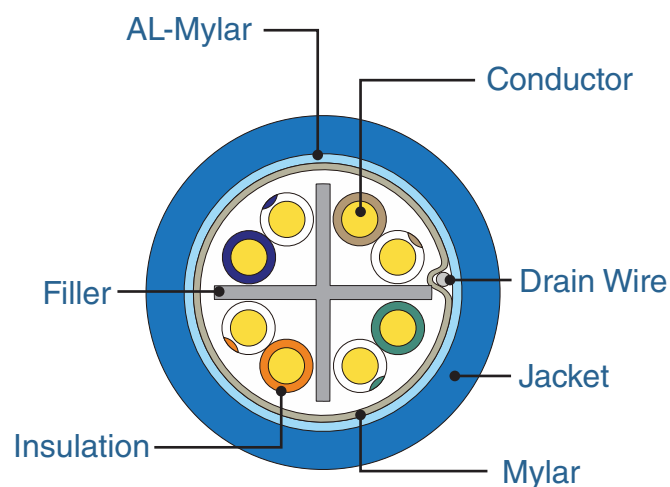
- Structure cabling for horizontal and backbone cable
- Digital and analog transmission for video, audio, data, and phone
- Environments with high EMI noise
- IEEE 802.3ab 1000BASE-T, 1000BASE-TX and legacy transmission speeds
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

Flame Test

- NFPA 262 (CMP)

Applicable Standards

- Electrical Transmission
 - ANSI/TIA-568-C.2 (2009)
 - ISO/IEC 11801 (Edition 2.2)
 - IEC 61156-5 (Edition 2.1)
- Materials and Construction
 - UL 444
 - CSA 22.2 No.214
- EU Directive 2011/65/EU (RoHS2)
- EU Directive 2006/95/EC (LVD)



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Material and Construction		
Insulation Material	Fluorinated Ethylene Propylene (FEP)	
Insulation	Color Code	Diameter
	Blue and White/Blue stripe	1.06 ± 0.02 mm
	Orange and White/Orange Stripe	1.01 ± 0.02 mm
	Green and White/Green Stripe	1.05 ± 0.02 mm
	Brown and White/Brown Stripe	1.01 ± 0.02 mm
Filler Material	Fluorinated Ethylene Propylene (FEP)	
Shielding	Material	Mylar Tape
	Description	100% Coverage Al-Foil Shielding
Drain Wire	24AWG solid tinned copper	
Jacket	Material	Low smoke flame retardant polyvinyl chloride (LSFRPVC)
	Diameter	6.80 ± 0.2 mm
	Thickness	0.43 ± 0.03 mm
	Color	Various
Marking	WIREFATH™ BULK WIRE BY SNAPAV CAT6 23AWG 4PAIR F/UTP PLENUM SOLID BARE COPPER 550MHz E325177-XX c(UL)us CMP FT6 75C TIA-568-C-2 RoHS DDMMYY 0000/1000 FT	

Note: DDMMYY = date code

Usage & Environmental Condition		
Temperature Range	Storage & Shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	-20°C to 60°C
Min. Bending Radius	≥ 4 times overall diameter	
Max. Pulling Tension	≤110 N	

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Physical & Electrical Characteristics (at 20°C)	
Temperature and Voltage Rating	75°C/300 V
Spark Test	2.5 KV DC
AC Current Leakage	≤ 10mA (1.5KV AC)
Cold Bend	-20°C for 4 hr
DC Conductor Resistance	≤ 9.38 Ω /100m
Unbalanced Resistance	≤ 5%
Dielectric Strength	1.5 KV ac for 2 s
Insulation Resistance	≥ 5000 MΩ • km
Mutual Capacitance	≤ 5.6 nF/100m
Pair-to-Ground Unbalanced Capacitance	≤ 330 pF/100m