

WIREFATH

BULK WIRE

SP-CAT6A-1000-XX

23AWG, Solid bare copper, CAT 6A, 550MHz, CMR, Cross Filler, Rip Cord

Features

- Solid annealed bare copper conductors
- High density polyethylene insulation
- 4 pairs twisted in varying lays and cabled
- Flame rated PVC jacket

Application

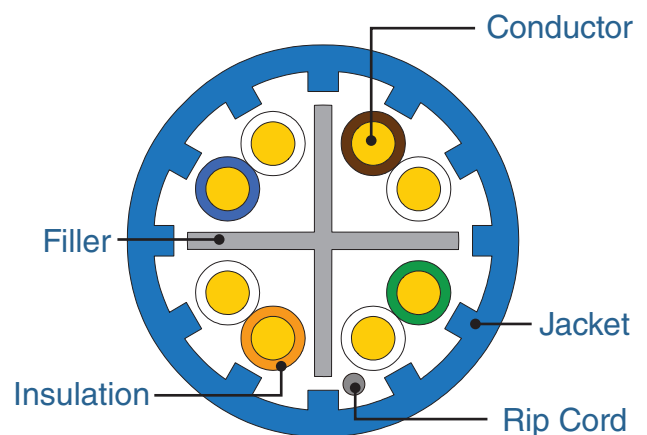
- Structure cabling for horizontal and backbone cable
- Audio and video application via analog and digital data transmission
- IEEE 802.3an 10GBASE-T, and legacy transmission speeds
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)/ IEEE 802.3bt (PoE++)
- HDBaseT Certified

Flame Test

- UL 1666 (CMR)

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)
- CE compliance date: 2010.01.01



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| Material and Construction | | |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Conductor | 23AWG solid bare copper | |
| Insulation Material | Polyolefin (PO) | |
| Insulation | Color Code | Diameter |
| | Blue and White | 1.10 ± 0.02 mm |
| | Orange and White | 1.06 ± 0.02 mm |
| | Green and White | 1.08 ± 0.02 mm |
| | Brown and White | 1.05 ± 0.02 mm |
| Filler Material | Polyolefin (PO) | |
| Rip Cord Material | Polyester multi-yarn | |
| Jacket | Material | Flame retardant polyvinyl chloride (FRPVC) |
| | Diameter | 8.3 ± 0.2 mm |
| | Thickness | 1.30 ± 0.10 mm |
| | Color | Various |
| Marking | WIREFATH™ BULK WIRE BY SNAPAV CAT 6A 23AWG 4PAIR U/UTP SOLID BARE COPPER 550MHz E325177-XX c(UL)us CMR FT4 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 | ≤ 4% |
| Dielectric Strength | 1.5 KV ac for 2 s |
| Insulation Resistance | ≥ 5000 MΩ • m |
| Mutual Capacitance | ≤ 5.6 nF/100m |
| Pair-to-Ground Unbalanced Capacitance | ≤ 330 pF/100m |