Siemon’s Category 6A U/FTP cable supports channel performance exceeding ANSI/TIA-568.2-D and ISO/IEC 11801 Class EA requirements. When combined with our Z-MAX 6A Shielded connectivity, the result is a channel capable of supporting 10GBASE-T operation over 100-metre, 4-connector topologies. In addition, the screened construction ensures virtually zero alien crosstalk. The Category 6A U/FTP cabling system supports emerging and converging IP applications like Voice Over IP (VoIP), IP video and future 10 gigabit applications.

**Diagram:**
- **Outer Jacket:** Nominal O.D. = 7.0mm (0.27 in.)
- **Conductor:** 23AWG solid bare copper 0.56mm (0.022 in.)
- **Conductor Insulation:** 1.27mm - (0.05 in.) nom.
- **Individual Pair Shielding:** Aluminum Foil Tape, 100% coverage
- **Drain Wire**
- **Rip Cord**

**Compliance**
- ANSI/TIA-568.2-D
- IEC 61156-5 Ed 2.0
- ISO/IEC 11801-1 Ed 1.0
- CM: UL listed, IEC 60332-1
- LSOH: IEC 60332-1, IEC 60754, and IEC 61034
- LSOH: EN 50575 Class D

**Cable Construction**
- UFTP
- Reverse sequential numbering
- Round jacket
- Drain wire
- Ripcord

**Application Support**
- 10GBASE-T
- 1000BASE-T
- 100BASE-T
- 10BASE-T
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT (PoH)

Supports all applications designed for category 6A or lower cabling.

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PRODUCT INFORMATION

ELECTRICAL SPECIFICATIONS

- **DC Resistance**: <9.5 μΩ/100m
- **DC Resistance Unbalance**: 2%
- **Mutual Capacitance**: 5.6 nF/100m
- **Capacitance Unbalance**: <160 pF/100m
- **Characteristic Impedance (ohms)**:
  - 1-100 MHz: 100 ± 15%
  - 100-750 MHz: 100 ± 22%
- **NVP**: 72%
- **TCL**: 30-10 log(f/100) dB
- **Delay Skew**: ≤ 45 ns
- **PoE**: Suitable for PoE Type 1, 2, 3, 4 and PoH

PHYSICAL PROPERTIES

- **CM/LSOH**
  - **Pulling Tension (max)**: 80N (18 lbs - Force)
  - **Bend Radius (min)**: 56mm
  - **Installation Temperature**: 0 to 60°C
  - **Storage Temperature**: -20 to 75°C
  - **Operating Temperature**: -20 to 75°C

TRANSMISSION PERFORMANCE

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Insertion Loss (dB)</th>
<th>NEXT (dB)</th>
<th>PSNEXT (dB)</th>
<th>ACR (dB)</th>
<th>PSACR (dB)</th>
<th>ACR-F (dB)</th>
<th>PSACR-F (dB)</th>
<th>Return Loss (dB)</th>
<th>Propagation Delay (ns)</th>
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* Values for frequencies beyond industry requirements are for information only. All performance based on 100-meters

Category 6A 4-pair U/FTP Cable:

9D6M4-A5: .................PVC (CM, IEC 60332-1), Gray Jacket, 305m Reel
9D6L4-A5: .................LSOH (IEC 60332-1), Violet Jacket, 305m Reel, Dca, S2, d2, a1

Other cable lengths also available: Add “-5CR” for 500m Reel, “-1KR” for 1000m Reel

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