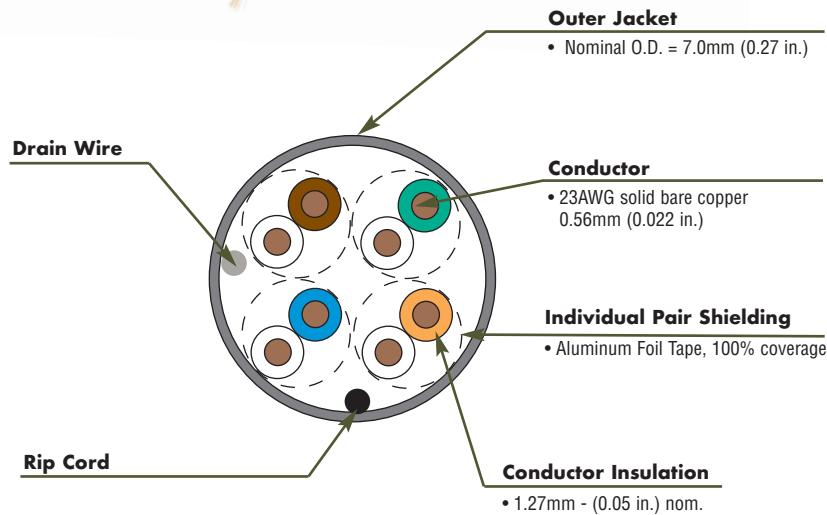
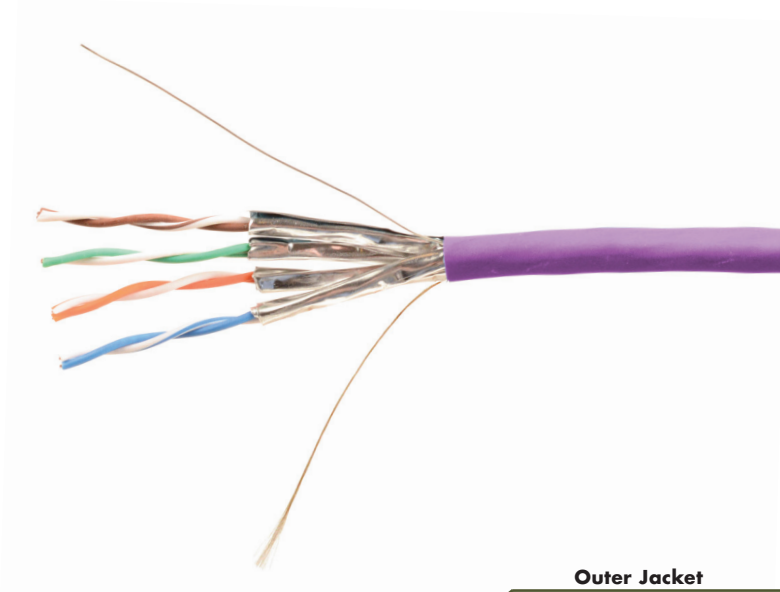


CATEGORY 6A U/FTP CABLE

- International

Siemon's Category 6A U/FTP cable supports channel performance exceeding ANSI/TIA-568.2-E and ISO/IEC 11801 Class E_A 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.



COMPLIANCE

- ANSI/TIA-568.2-E
- 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_{ca}, S₂, d₂, a₁

CABLE CONSTRUCTION

- UFTP
- Reverse sequential numbering
- Round jacket
- Drain wire
- Rip cord

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



Data | Power | Reach | Delivered

PRODUCT INFORMATION

ELECTRICAL SPECIFICATIONS

DC Resistance	<9.5 ≤/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	≤45ns
PoE	Suitable for PoE Type1,2,3,4 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

GUARANTEED WORST CASE

SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	2.1	1.9	-75.3	-96.9	-73.3	-95.9	-73.2	-95.0	-71.2	-94.0	-73.3	-97.7	-71.3	-96.8	-20.0	-22.8	570	453
4	3.8	3.5	-66.3	-96.1	-64.3	-93.3	-62.5	-92.5	-60.5	-89.8	-61.3	-97.8	-59.3	-95.3	-23.0	-25.6	552	445
10	5.9	5.5	-60.3	-86.4	-58.3	-84.1	-54.4	-80.9	-52.4	-78.6	-53.3	-87.8	-51.3	-86.2	-25.0	-31.4	545	440
16	7.5	7.0	-57.2	-83.0	-55.2	-80.7	-49.8	-76.0	-47.8	-73.7	-49.2	-79.2	-47.2	-77.2	-25.0	-31.4	543	439
20	8.4	7.9	-55.8	-81.6	-53.8	-79.1	-47.4	-73.8	-45.4	-71.2	-47.3	-77.8	-45.3	-77.0	-25.0	-33.0	542	438
31.25	10.5	10.0	-52.9	-80.1	-50.9	-78.6	-42.4	-70.1	-40.4	-68.6	-43.4	-85.0	-41.4	-82.0	-23.6	-34.2	540	438
62.5	15.0	14.2	-48.4	-83.7	-46.4	-81.3	-33.4	-69.8	-31.4	-67.1	-37.4	-80.1	-35.4	-79.2	-21.5	-32.0	539	437
100	19.1	18.0	-45.3	-80.2	-43.3	-77.6	-26.2	-62.3	-24.2	-59.7	-33.3	-79.3	-31.3	-77.0	-20.1	-37.3	538	436
200	27.6	25.5	-40.8	-74.2	-38.8	-71.4	-13.2	-48.7	-11.2	-45.9	-27.3	-71.0	-25.3	-68.9	-18.0	-30.3	537	436
250	31.1	28.6	-39.3	-73.8	-37.3	-70.9	-8.3	-45.5	-6.3	-42.3	-25.3	-71.2	-23.3	-70.4	-17.3	-27.1	536	436
300	34.3	31.3	-38.1	-70.9	-36.1	-68.8	-3.9	-39.5	-1.9	-37.5	-23.8	-66.1	-21.8	-65.2	-17.3	-25.5	536	435
400	40.1	36.5	-36.3	-69.4	-34.3	-66.5	3.8	-33.3	5.8	-30.7	-21.3	-60.8	-19.3	-56.9	-17.3	-20.8	536	435
500	45.3	40.8	-34.8	-65.7	-32.8	-63.5	10.4	-25.5	12.4	-22.7	-19.3	-58.3	-17.3	-56.0	-17.3	-22.1	536	435
550*	-	43.1	-	-60.0	-	-57.1	-	-17.5	-	-14.0	-	-49.7	-	-48.3	-	-22.8	-	428
625*	-	45.7	-	-56.8	-	-54.5	-	-11.9	-	-9.0	-	-46.8	-	-45.6	-	-21.0	-	428
750*	-	50.8	-	-58.6	-	-57.5	-	-7.8	-	-6.7	-	-39.5	-	-37.5	-	-18.8	-	425

*Values for frequencies beyond industry requirements are for information only
All performance based on 100-meters

Category 6A 4-Pair U/FTP Cable:

9D6M4-A5-04-R1APVC (CM, IEC 60332-1), Gray Jacket, 305m Reel

9D6L4-A5-08-R1ALSOH (IEC 60332-1), Violet Jacket, 305m Reel, D_{co}, S₂, d₂, α₁

Other cable lengths also available: Replace "-R1A" with "-5CR" for 500m Reel, "-1KR" for 1000m Reel



SCAN TO DOWNLOAD SPEC SHEET

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

North America
P: (1) 860 945 4200

Mexico
P: (521) 556 387 7708/09/10

Latin America
P: (571) 657 1950/51/52

Europe
P: (44) 0 1932 571771

Asia Pacific
P: (61) 2 8977 7500

Siemon OEM Technologies
P: (1) 860 945 4213
www.siemon.com/OEM

China
P: (86) 215385 0303

India, Middle East & Africa
P: (971) 4 3689743