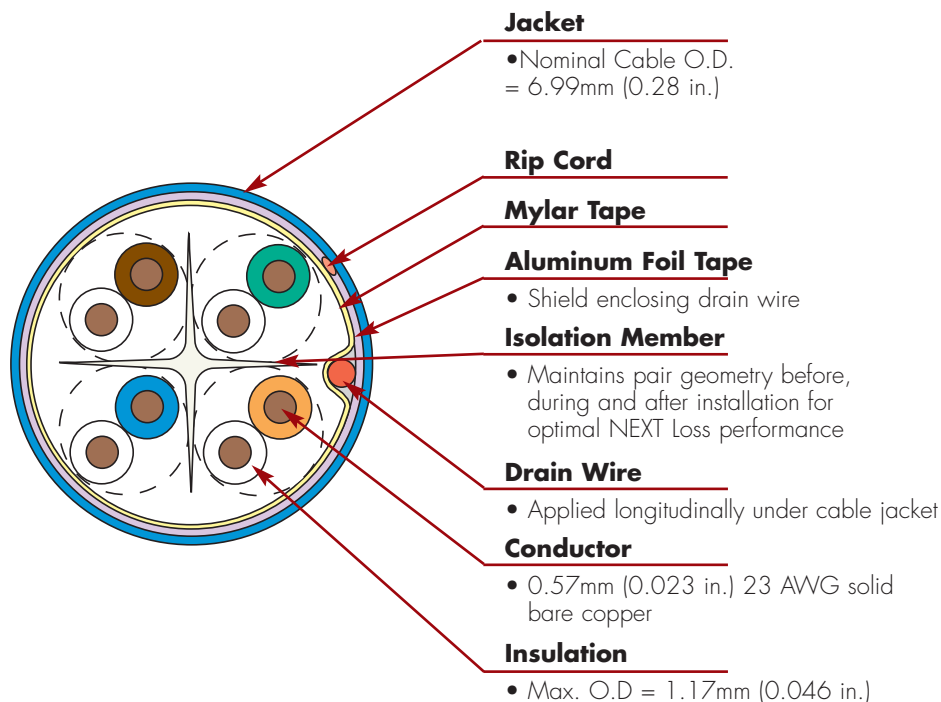
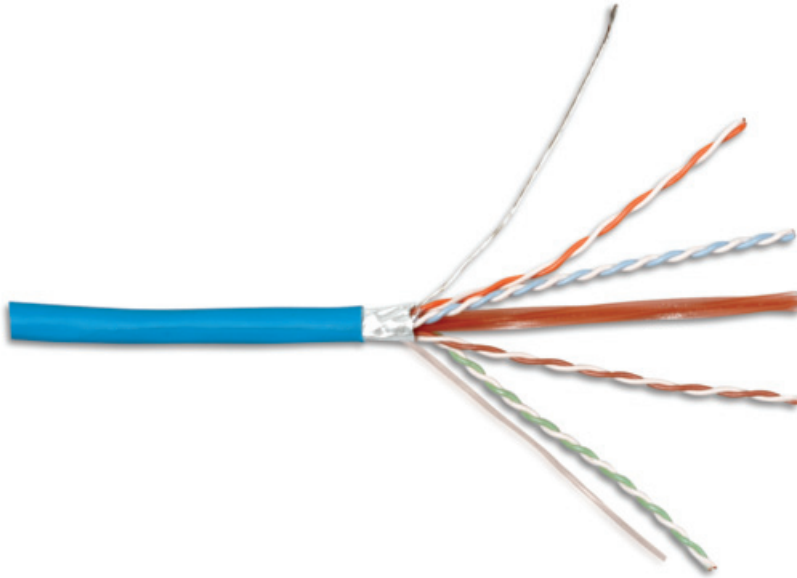


# Category 6A F/UTP 4-Pair Cable (SPECIAL)

EMEA Only

Siemon's Category 6A F/UTP cable provides channel performance exceeding ANSI/TIA-568-C.2 Category 6A requirements. When combined with our Z-Max® shielded connectivity, the result is best in class channel performance capable of supporting 10GBASE-T operation over 100-meter, 4-connector topologies. In addition the screened construction ensures virtually zero alien crosstalk. The Category 6A F/UTP cabling system supports emerging and converging IP applications like Voice Over IP (VoIP), IP video and future 10 gigabit applications.



## CABLE CONSTRUCTION

- F/UTP
- 0.57mm (0.0275 in.) 23 AWG solid bare copper
- 6.99mm (0.28 in.) nom. jacket diameter
- Central isolation member
- Shield is an aluminum foil tape enclosing a tinned copper drain wire
- Reverse sequential measurement markings on jacket

## COMPLIANCE

- ANSI/TIA-568-C.2
- IEC 61156-5 Ed 2.0
- ISO/IEC 11801 Ed 2.0
- UL CMR and CSA FT4
- UL CMP and CSA FT6

## APPLICATIONS SUPPORT

- 10GBASE-T
- 1000BASE-T
- 100BASE-T
- 10BASE-T
- HDBASE-T
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE)

*Supports all applications designed for augmented category 6 or lower cabling*

# Product Information

## Ordering Information:

9A6(X)4-A5-(XX)-R1N . . . . . 305m (1000 ft.) Reel (Non-Asia Country of Origin)

Jacket Color		
<b>01</b> = Black	<b>04</b> = Gray	<b>07</b> = Green
<b>02</b> = White	<b>05</b> = Yellow	<b>08</b> = Violet
<b>03</b> = Red	<b>06</b> = Blue	<b>09</b> = Orange

**Jacket Material**

**P** = Plenum (CMP, CSA FT6)  
**R** = Riser (CMR, CSA FT4)

Lead time and minimum order quantities may vary by cable type. Please contact Customer Service for details.

### ELECTRICAL SPECIFICATIONS

<b>DC Resistance</b>	<7.32 Ω/100m
<b>DC Resistance Unbalance</b>	5%
<b>Mutual Capacitance</b>	5.6 nF/100m
<b>Capacitance Unbalance</b>	<160 pF/100m
<b>NVP</b>	67%
<b>TCL</b>	30-10 log(f/100) dB
<b>Delay Skew</b>	≤45ns
<b>PoE</b>	Suitable for PoE & PoE +

### PHYSICAL PROPERTIES

	<b>CMP</b>	<b>CMR</b>
<b>Pulling Tension (max)</b>	110N (25 lbf)	110N (25 lbf)
<b>Bend Radius (min)</b>	50mm (2.0 in.)	50mm (2.0 in.)
<b>Installation Temperature</b>	0 to 60°C (+32 to 140°F)	0 to 60°C (+32 to 140°F)
<b>Storage Temperature</b>	-20 to 75°C (-4 to 167°F)	-20 to 75°C (-4 to 167°F)
<b>Operating Temperature</b>	-20 to 75°C (-4 to 167°F)	-20 to 75°C (-4 to 167°F)

### TRANSMISSION PERFORMANCE

GUARANTEED WORST CASE  SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical	Guaranteed Worst Case	Siemon Typical
1.0*	2.1	1.8	75.3	86.0	73.3	82.3	73.2	84.2	71.2	80.5	73.3	91.0	71.3	85.0	20.0	33.0	570	570
4.0	3.8	3.4	66.3	77.0	64.3	73.3	62.5	73.6	60.5	69.9	61.3	79.0	59.3	73.0	23.0	35.5	552	552
10.0	5.9	5.4	60.3	71.0	58.3	67.3	54.4	65.6	52.4	61.9	53.3	71.0	51.3	65.0	25.0	38.0	545	545
16.0	7.5	6.9	57.2	68.0	55.2	64.2	49.8	61.1	47.8	57.3	49.2	67.0	47.2	61.0	25.0	35.2	543	543
20.0	8.4	7.7	55.8	67.0	53.8	62.8	47.4	59.3	45.4	55.1	47.3	65.0	45.3	59.0	25.0	35.0	542	542
31.25	10.5	9.9	52.9	64.0	50.9	59.9	42.4	54.1	40.4	50.0	43.4	61.0	41.4	55.0	23.6	33.1	540	540.4
62.5	15.0	14.3	48.4	59.0	46.4	55.4	33.4	44.7	31.4	41.1	37.4	55.0	35.4	49.0	21.5	32.2	539	538.6
100.0	19.1	18.1	45.3	56.0	43.3	52.0	26.2	37.9	24.2	33.9	33.3	51.0	31.3	45.0	20.1	31.6	538	537.6
200.0	27.6	27.3	40.8	52.0	38.8	47.8	13.2	24.7	11.2	20.5	27.3	45.0	25.3	39.0	18.0	29.8	537	536.5
250.0	31.1	31.1	39.3	50.0	37.3	46.0	8.3	18.9	6.3	14.9	25.3	43.0	23.3	37.0	17.3	28.7	536	536.3
300.0	34.3	35.0	38.1	49.0	36.1	45.0	3.9	14.0	-1.9	10.0	23.8	38.0	21.8	35.0	17.3	28.0	536	536.1
400.0	40.1	40.0	36.3	47.0	34.3	43.0	-3.8	7.0	-5.8	3.0	21.3	36.0	19.3	33.0	17.3	27.1	536	535.8
500.0	45.3	42.0	34.8	47.0	32.8	42.0	-10.4	5.0	-12.4	0.0	19.3	34.0	17.3	32.0	17.3	26.0	536	535.6
550.0*	-	43.0	-	46.0	-	42.0	-	3.0	-	-1.0	-	33.00	-	31.0	-	26.0	536	-
625.0*	-	44.9	-	46.0	-	41.0	-	1.1	-	-3.9	-	33.0	-	29.0	-	25.0	535	-
750.0*	-	49.0	-	45.0	-	41.0	-	-4.0	-	-8.0	32.0	-	-	27.0	-	25.0	535	-

\*Values for frequencies above industry requirements are for information only.

All performance based on 100 meters (328 ft.).

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

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