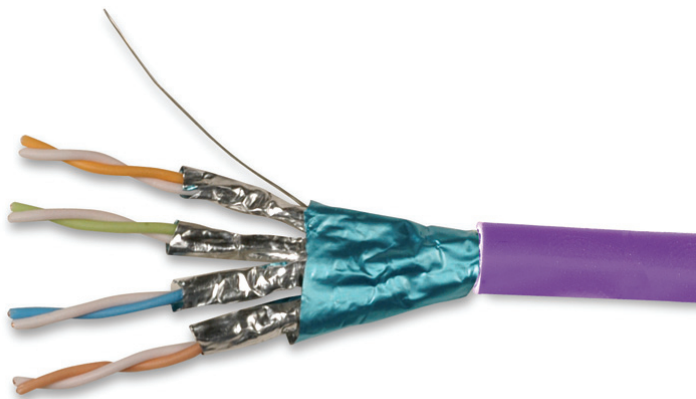


CATEGORY 6A F/FTP CABLE - LSFROH (INTERNATIONAL)

Siemon's category 6A / Class E_A 4-pair F/FTP cable supports channel performance exceeding ANSI/TIA and ISO/IEC category 6A requirements. This cable uses a 5-foil screened design consisting of 4 individual foils wrapped pairs plus an overall foil shield. When combined with our shielded Z-MAX® 6A connectivity, the end result is a channel capable of supporting 10GBASE-T operation over 100-meter, 4-connector topologies. In addition, the fully shielded construction ensures virtually zero alien crosstalk. This cable has been formulated to meet IEC 60332-3-25 which is a more demanding flammability specification for bundled cables.

Z-MAX 6A NETWORK CABLING SOLUTIONS



HIGHLIGHTS

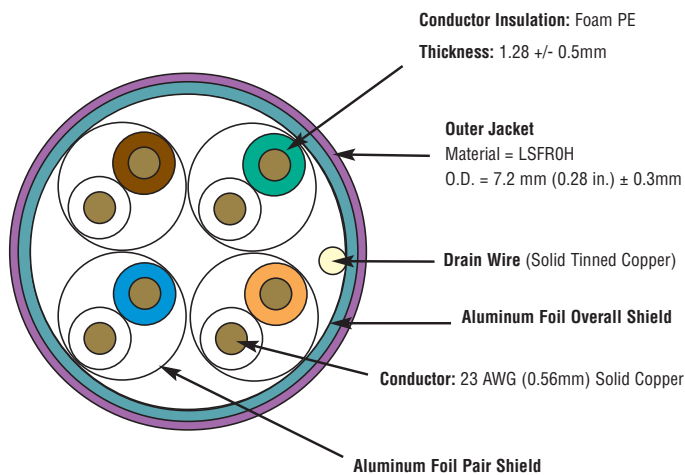
- 5-foil shield (F/FTP)
- Category 6A performance tested beyond 500 MHz
- Supports all applications designed to operate over standards compliant Class E_A / Category 6A cabling systems including VoIP, IP video and 10 gigabit applications.

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801 Ed 2.2
- IEC 61156-5 Ed 2.0
- IEC 60332-3-25, IEC 60754-2, IEC 61034

APPLICATIONS SUPPORT

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



Product Information

ELECTRICAL SPECIFICATIONS

DC Resistance	73.2 Ω/Km max. @20°C
DC Resistance Unbalance	2%
Mutual Capacitance	56 nF/km (nom.) @ 1KHz
Capacitance Unbalance	<1600pF/km
Characteristic Impedance Function Fitted (ohms)	100 ± 15% @ 100 MHz
NVP	74%
TCL	40-10 log (f/dB)
Coupling Attenuation	≥55 dB
Delay Skew	20ns/100m max.

PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	110N
Bend Radius (min)	50mm (2.0 in.)
Installation Temperature	0 to 50°C (32 to 122°F)
Operating Temperature	-20 to 75°C (-4 to 167°F)

TRANSMISSION PERFORMANCE

Worse 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)	
	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL	Worse Case	SIEMON TYPICAL
1	2.1	1.8	75.3	93.5	73.3	92.7	73.2	93.1	71.2	90.9	73.3	97.1	71.3	93.7	20.0	23.9	570.0	448
4	3.8	3.6	66.3	98.3	64.3	95.9	62.5	94.7	60.5	92.4	61.3	96.4	59.3	93.9	23.0	27.3	552.0	442
10	5.9	5.5	60.3	87.5	58.3	87.2	54.4	82.0	52.4	81.6	53.3	86.4	51.3	85.7	25.0	32.7	545.4	439
16	7.5	7.1	57.2	83.4	55.2	82.9	49.8	76.3	47.8	75.8	49.2	81.2	47.2	81.1	25.0	31.2	543.0	438
20	8.4	8.0	55.8	77.4	53.8	76.7	47.4	69.4	45.4	68.7	47.3	75.0	45.3	74.4	25.0	32.4	542.0	437
31.25	10.5	10.1	52.9	81.1	50.9	80.4	42.4	71.0	40.4	70.3	43.4	73.5	41.4	73.1	23.6	30.0	540.4	436
62.5	15.0	14.3	48.4	87.1	46.4	84.1	33.4	72.7	31.4	69.8	37.4	74.2	35.4	73.1	21.5	31.8	538.6	435
100	19.1	18.2	45.3	80.6	43.3	79.4	26.2	62.3	24.2	61.1	33.3	68.3	31.3	66.8	20.1	31.3	537.6	435
200	27.6	25.8	40.8	74.4	38.8	71.2	13.2	48.5	11.2	45.4	27.3	63.9	25.3	62.4	18.0	31.3	536.5	434
250	31.1	28.9	39.3	74.4	37.3	7.8	8.3	45.9	6.3	42.7	25.3	61.0	23.3	59.5	17.3	29.5	536.3	434
300	34.3	31.9	38.1	72.5	36.1	69.8	3.9	41.9	1.9	37.8	23.8	62.0	21.8	60.3	17.3	26.2	536.1	434
400	40.1	37.2	36.3	68.9	34.3	65.7	-3.8	31.7	-5.8	28.4	21.3	54.6	19.3	52.3	17.3	26.2	535.8	434
500	45.3	41.6	34.8	65.9	32.8	64.0	-10.4	23.9	-12.4	22.1	19.3	55.9	17.3	53.8	17.3	28.0	535.6	434
550*		44.0	-	58.2	-	54.9	-	14.0	-	10.4	-	41.5	-	40.4	-	20.3	-	434
625*		46.2	-	57.6	-	56.5	-	11.2	-	9.3	-	41.5	-	39.8	-	22.6	-	434
750*		51.9	-	58.6	-	56.0	-	6.6	-	4.2	-	42.6	-	40.4	-	19.2	-	434

*Values for frequencies beyond 500 mhz are for information only. All performance based on 100-meters.

Ordering Information:

Part # **Description**
 9N6J4-A5 LSFROH (IEC 60332-3-25), Violet Jacket, 305m Reel
 For additional cable put-up options please contact Siemon.

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