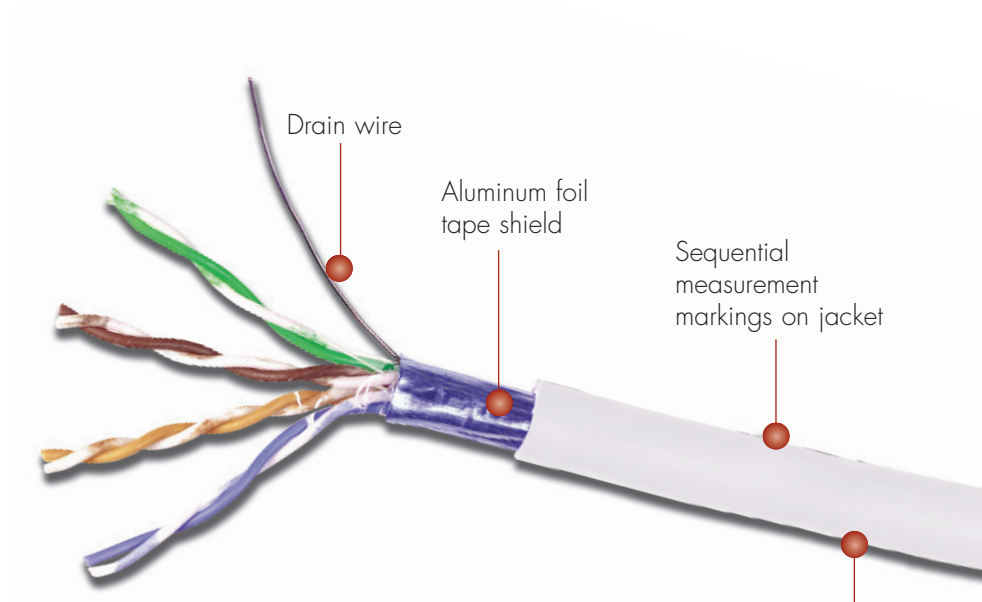


PREMIUM 5e® F/UTP STRANDED CABLE

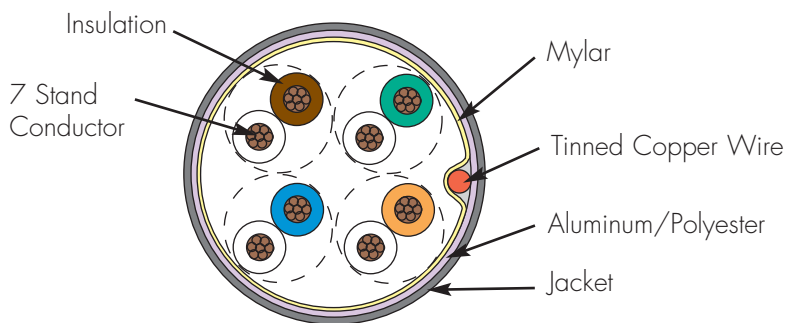
Siemon screened category 5e cable perfectly complements the performance of our screened 5e outlets. Siemon cable exceeds all ANSI/TIA and ISO/IEC requirements for category 5e/class D transmission performance. Utilizing Siemon cable is the ideal way to ensure optimum channel performance and is essential for a complete end-to-end warranted system.



CABLE — INTERNATIONAL



- Cable Construction**
- ScTP (F/UTP)
 - 0.48mm (0.02 in.) (26 AWG) stranded tinned copper
 - 5.59mm (0.22 in.) max jacket diameter
 - 0.99mm (0.39 in.) max conductor insulation diameter
 - Shield is an aluminum polyester tape enclosing a 26 AWG tinned copper drain wire



LSOH, Jacket

Cable packaged on a reel (500m)

- Compliance**
- ISO/IEC 11801:2002 (category 5e)
 - ANSI/TIA-568-C (category 5e)
 - IEC 61156-5:2002 (Category 5e)
 - LSOH: IEC 60332-1, IEC 60754, and IEC 61034

ELECTRICAL SPECIFICATIONS

DC Resistance	<14 Ω/100m.
DC Resistance Unbalance	5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<330 pF/100m
NVP	69%
TCL	40-10 x log(f)dB
ETCL	35-20 x log(f)dB
Delay Skew	≤ 45ns

PHYSICAL PROPERTIES

	LSOH
Pulling Tension (max)	110N (25 lbf)
Bend Radius (min)	25mm (1 in.)
Installation Temperature	0 to 60°C (+32 to 140°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Operating Temperature	-20 to 60°C (-4 to 140°F)

TRANSMISSION PERFORMANCE

ANSI/TIA & ISO/IEC

SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		ACR-N (dB)		PS ACR-N (dB)		Propagation Delay (ns)	
1.0	3.1	2.8	65.3	91.2	62.3	87.7	63.8	76.9	60.8	75.9	20.0	26.6	62.2	89.0	59.2	85.5	570	550
4.0	6.1	5.2	56.3	75.8	53.3	73.3	51.8	64.1	48.8	63.5	23.0	29.1	50.2	71.4	47.2	69.0	552	532
10.0	9.7	7.2	50.3	71.8	47.3	69.7	43.8	56.0	40.8	55.3	25.0	30.5	40.6	65.0	37.6	63.0	545	525
16.0	12.4	8.1	47.2	75.9	44.2	73.0	39.7	51.8	36.7	51.2	25.0	32.0	34.9	67.3	31.9	64.4	543	523
20.0	13.9	10.2	45.8	68.8	42.8	67.1	37.8	49.8	34.8	49.2	25.0	33.8	31.9	59.2	28.9	57.5	542	522
31.25	17.6	11.4	42.9	68.2	39.9	66.0	33.9	46.0	30.9	45.5	23.3	31.5	25.3	55.8	22.3	53.6	540	520
62.5	25.5	14.2	38.4	65.2	35.4	62.1	27.9	40.6	24.9	40.4	20.7	30.1	12.9	47.8	9.9	44.9	539	519
100.0	33.0	20.2	35.3	54.2	32.3	52.7	23.8	37.5	20.8	37.3	19.0	33.8	2.3	32.3	-0.7	30.7	538	518
150.0*	41.3	25.7	32.7	53.7	29.7	51.7	20.3	36.0	17.3	35.5	17.5	27.0	-8.7	26.3	-11.7	23.9	537	517
175.0*	45.1	31.8	31.7	46.8	28.7	45.1	18.9	35.6	15.9	34.8	16.9	21.9	-13.4	17.0	-16.4	15.4	537	517

*Values above 100 MHz are informational only.

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

Premium 5e[®] F/UTP 4-Pair Stranded Cable:

9A5S4-E1-(XX)-5CR.....LSOH Jacket, 500m (1640 ft), Reel. Use (XX) for color

Contact customer service for available color options

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

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