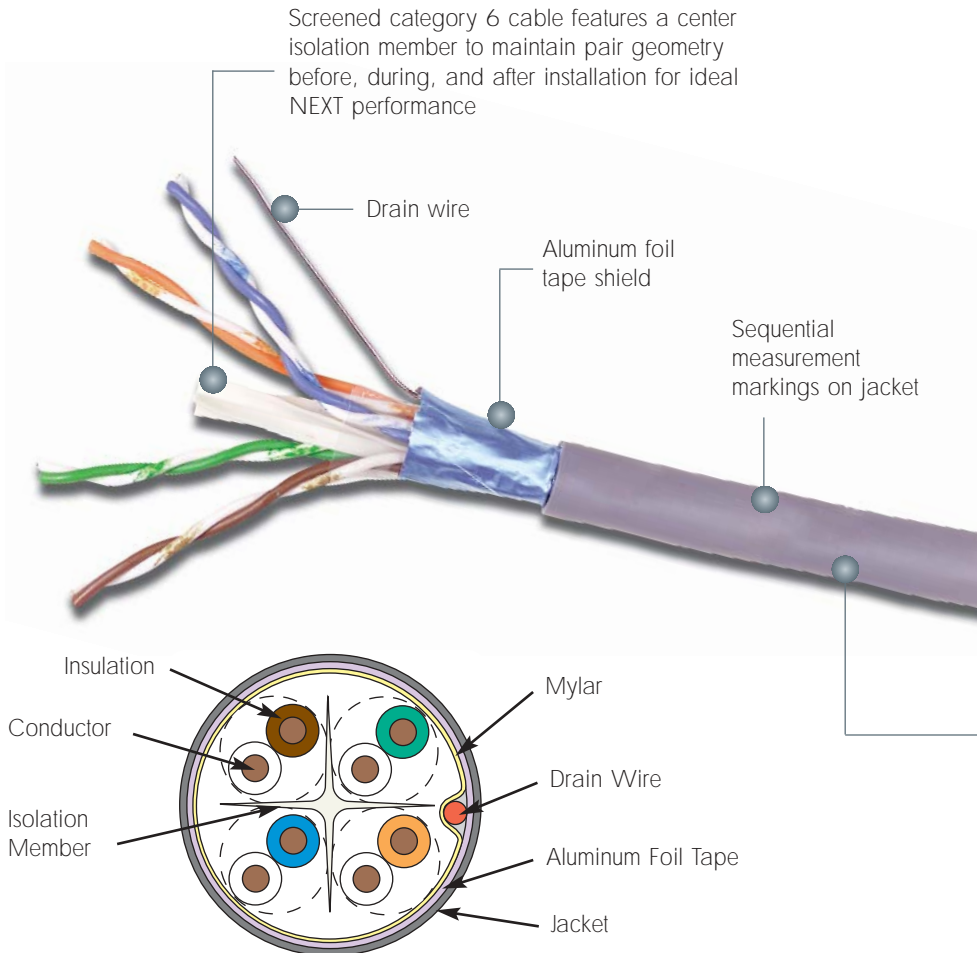


SCREENED SYSTEM 6® CABLE

Siemon's screened category 6 cable perfectly complements the performance of our screened MAX® 6 outlets. Siemon cable exceeds all TIA/EIA and ISO/IEC requirements for category 6/class E 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.



SHIELDED PRODUCTS



Cable Construction

- ScTP (F/UTP)
- 0.5mm (0.02 in.) (24 AWG) solid bare copper
- 7.3mm (0.29 in.) max jacket diameter
- 1.07mm (0.042 in.) max conductor insulation diameter
- Central isolation member
- Shield is an aluminum foil tape enclosing a 7-strand 0.5mm (0.020 in.) (24 AWG) tinned copper drain wire

ISOH, CMX, CMR and CMP jacket options available

Compliance

- ISO/IEC 11801:2002 (category 6)
- ANSI/TIA/EIA-568-B.2-1
- IEC 61156-5:2002 (Including transfer impedance and coupling attenuation)
- ISOH: IEC 60332-1, IEC 60754, and IEC 61034
- UL CMX
- UL CMR and CSA FT4
- UL CMP and CSA FT6

Cable packaged in a reel-in-a-box (305m) to protect product during shipping and facilitate tangle-free installation

PRODUCT INFORMATION

SHIELDED PRODUCTS

TRANSMISSION PERFORMANCE

TIA/EIA & ISO/IEC*
 SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB/100m)		NEXT (dB/100m)		PS NEXT (dB/100m)		ELFEXT (dB/100m)		PS ELFEXT (dB/100m)		Return Loss (ns/100m)		Propagation Delay (ns/100m)		Delay Skew	
	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*	SIEMON TYPICAL	TIA/EIA & ISO/IEC*
1.0	2.0	1.7	74.3	86.0	72.3	82.3	67.8	91.0	64.8	85.0	20.0	33.0	570	545	45.0	30.0
4.0	3.8	3.4	65.3	77.0	63.3	73.3	55.8	79.0	52.8	73.0	23.0	35.5	552	527	45.0	30.0
10.0	6.0	5.4	59.3	71.0	57.3	67.3	47.8	71.0	44.8	65.0	25.0	38.0	545	520	45.5	30.8
16.0	7.6	6.9	56.2	68.0	54.2	64.2	43.7	67.0	40.7	61.0	25.0	35.2	543	518	45.0	30.0
20.0	8.5	7.7	54.8	67.0	52.8	62.8	41.8	65.0	38.8	59.0	25.0	35.0	542	517	45.0	30.0
31.25	10.7	9.9	51.9	64.0	49.9	59.9	37.9	61.0	34.9	55.0	23.6	33.1	540	515	45.0	30.0
62.5	15.4	14.3	47.4	59.0	45.4	55.4	31.9	55.0	28.9	49.0	21.5	32.2	539	514	45.0	30.0
100.0	19.8	18.1	44.3	56.0	42.3	52.0	27.8	51.0	24.8	45.0	20.1	31.6	538	513	45.0	30.0
160.0	25.6	23.2	41.2	53.0	39.2	49.2	23.7	47.0	20.7	41.0	18.7	30.1	537	512	45.0	30.0
200.0	29.0	27.3	39.8	52.0	37.8	47.8	21.8	45.0	18.8	39.0	18.0	29.8	537	512	45.0	30.0
250.0	32.8	31.1	38.3	50.0	36.3	46.0	19.8	43.0	16.8	37.0	17.3	28.7	536	511	45.0	30.0
300.0	36.4	35.0	37.1	49.0	35.1	45.0	18.3	38.0	15.3	35.0	16.8	28.0	536	511	45.0	30.0
350.0*	39.8	36.1	36.1	48.0	34.1	44.0	16.9	37.0	13.9	34.0	16.3	27.6	536	511	45.0	30.0
400.0*	43.0	40.0	35.3	47.0	33.3	43.0	15.8	36.0	12.8	33.0	15.9	27.1	536	511	45.0	30.0

All performance based on 100 meters.

*Values above 300 MHz are informational only.

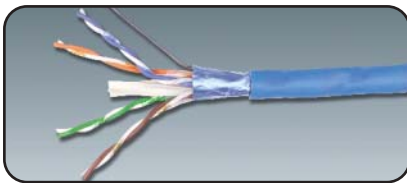
ELECTRICAL CHARACTERISTICS

Maximum DC Resistance (@ 20° C)	9.4 ohms/100m
Characteristic Impedance (no impedance averaging allowed)	1-100 MHz: 100 ohms ± 15% 100-250 MHz: 100 ohms ± 22%
Nominal Velocity of Propagation (NVP)	0.69

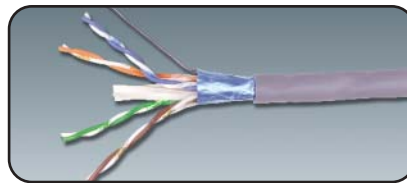
Category 6 4-Pair Solid ScTP Cable:

- 9A6R4-E3PVC (CMR, CSA FT4), Blue Jacket, 305m (1000 ft.) box
- 9A6P4-E3Plenum (CMP, CSA FT6), Blue Jacket, 305m (1000 ft.) box
- 9A6X4-E3PVC (CMX, IEC 60332-1), Gray Jacket, 305m (1000 ft.) box
- 9A6L4-E3LSOH (IEC 60332-1), Violet Jacket, 305m (1000 ft.) box

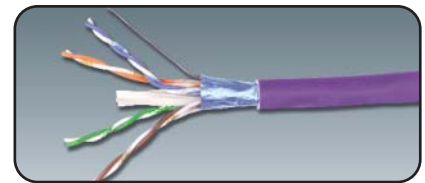
Other cable lengths also available: Add "-5CR" for 500m (1640 ft.) reel, "-1KR" for 1000m (3,281 ft.) reel
Contact your local sales representative for cable availability and delivery lead time



9A6R4-E3/9A6P4-E3



9A6X4-E3



9A6L4-E3

Because we are continuously improving our products, The Siemon Company reserves the right to change specifications and availability without prior notice.
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For related product information request Spec Sheet(s):
Screened MAX[®] 6 Modules (PROD-SS-MX6S)
Screened MC[®] 5e & 6 Modular Patch Cords (PROD-SS-MCS)

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