

# Category 5e MODULAR CORDS - INTERNATIONAL

Siemon uses the highest quality components combined with stringent manufacturing processes to produce the best performing, most durable modular patch cords available. The end result is a cord that exceeds all ANSI/TIA and ISO/IEC component specifications for transmission performance.

Additionally, Siemon transmission tests cords prior to shipment, ensuring that Siemon customers never receive a non-compliant cord.

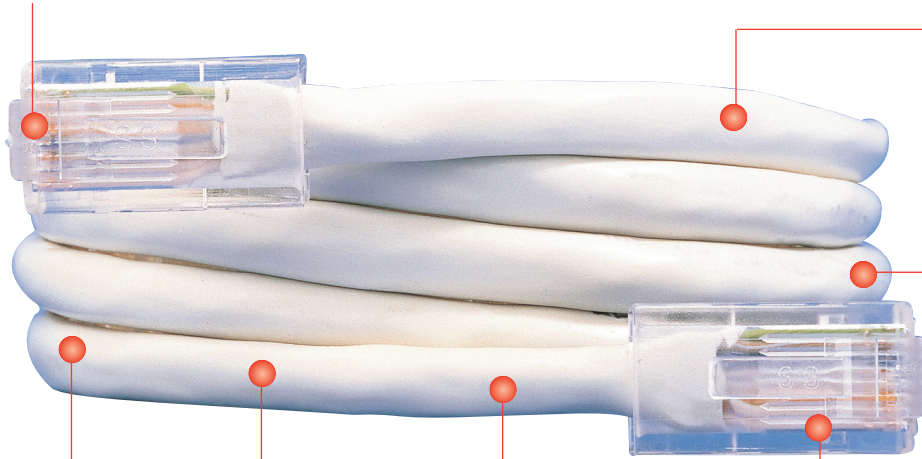
Choose Siemon MC 5e or IC 5e modular cords for a perfectly matched, end-to-end channel solution with unparalleled performance.



PATCH CORDS, PLUGS & CABLE

Siemon modular plugs exceed ANSI/TIA-1096-A and IEC 60603-7 specifications and have 50 microinches minimum of gold plating over nickel. The result is superior transmission performance and long-term resistance to corrosion from humidity, extreme temperatures, and airborne contaminants

24 AWG (7 strands @ 0.20mm) stranded wire for longer bend fatigue life. Solid 24 AWG IC 5e cords are also available for consolidation point or equipment cord applications



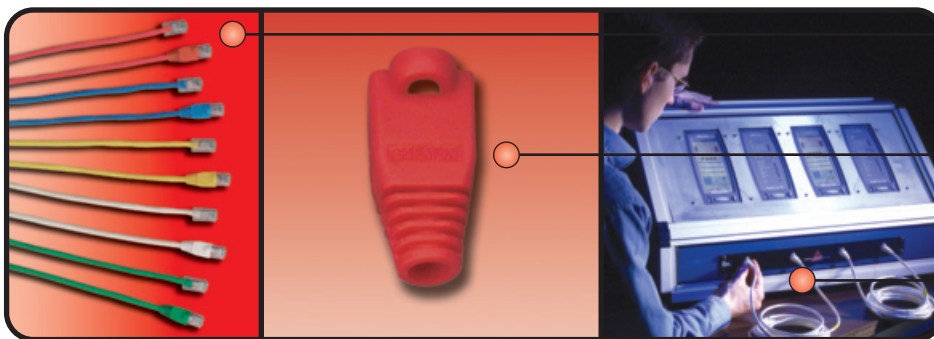
Flame retardant jacket

Modular plug housing: Flame-retardant thermoplastic

Siemon MC 5e and IC5e modular cords are constructed using high performance category 5e cable.

Additional lengths available

Category 5e compatible screened patch cords also available



MC 5 series modular patch cords are available in black, white, red, gray, yellow, blue, violet and orange

The MC 5 boot design incorporates a latch guard to protect the plug latch from snagging when pulling cords through pathways or cable managers

**Technical Tip!**  
Factory terminated and tested modular cords are required to achieve consistent category 5e compatibility. Field termination is not recommended

# PRODUCT INFORMATION

## Performance Specifications:

### Category 5e Stranded Cable Specifications:

All MC® 5 assemblies are manufactured using cable that meets ANSI/TIA-568-C.2 and ISO/IEC 11801 requirements for category 5e stranded cable.

Frequency (MHz)	Maximum Insertion Loss	Typical Insertion Loss	Minimum Return Loss	Typical Return Loss	Minimum PS NEXT	Typical PS NEXT	Minimum PS ACR-F	Typical PSACR-F
1	2.4	2.16	20	27.54	62.3	77.15	60.8	79.75
4	4.9	4.43	23	34.66	53.3	68.62	48.8	67.97
10	7.8	7.07	25	37.57	47.3	60.33	40.8	60.07
16	9.9	8.96	25	36.46	44.2	55.36	36.7	55.75
20	11.1	10.03	25	36.53	42.8	56.43	34.8	53.98
31.25	14.1	12.57	23.3	35.11	39.9	56.9	30.9	50.31
62.5	20.4	17.9	20.7	36.33	35.4	48.47	24.9	43.68
100	26.4	22.75	19	27.16	32.3	47.37	20.8	38.68
250*	-	37.06	-	22.88	-	40.49	-	26.88
350*	-	44.71	-	18.61	-	38.28	-	26.6

\*Performance for frequencies beyond TIA limits are for information only

### MC 5 Modular

#### Cords:

MC5-8T-(XX)M-B(XX)C ...Double ended, 4-pair modular stranded cord, T568A/T568B wiring, colored matching jacket/boot

MC5-8T-(XX)M-(XX) .....Double ended, 4-pair modular stranded cord, T568A/T568B wiring, colored jacket, no boot

MC-BOOT-(XX)-100.....Colored Boots (pack of 100)

Use 1st (XX) to specify cord length: 01=1m, 1.5 = 1.5m, 02 = 2m, -3 = 3m, 04 = 4m, 05 = 5m, 7.5 = 7.5m

Use 2nd (XX) to specify cable color: 01 = black, 02 = white, 03 = red, 04 = gray, 05 = yellow, 06 = blue, 07 = green, 08 = violet, 09 = orange

**B** Add "B" for bulk project pack of 100 modular cords  
Custom lengths are available upon request. Contact our Customer Service Department for more information

### Solid IC5 Single-End Modular Cords:

IC5-8T-(XX)M-B(XX)L....IC5, single-ended, 4-pair solid cable assembly, T568A, violet jacket, LSOH, with colored boot

IC5-8A-(XX)M-B(XX)L ...IC5, single-ended, 4-pair solid cable assembly, T568B, violet jacket, LSOH with colored boot

Use 1st (XX) to specify cord length:  
03 = 3m, 05 = 5m, 10 = 10m, 15 = 15m, 20 = 20m

Use 2nd (XX) to specify boot color:  
01 = black, 02 = white, 03 = red, 04 = gray, 05 = yellow, 06 = blue, 07 = green, 08 = violet, 09 = orange

**D** Add "D" for double-ended solid cords

Custom lengths are available upon request. Contact our Customer Service Department for more information

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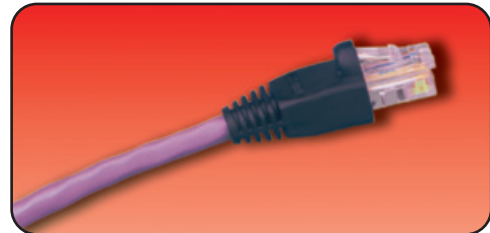
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Because we are continuously improving our products, The Siemon Company reserves the right to change specifications and availability without prior notice.

**For additional resource information:**  
Visit our web site at [www.siemon.com](http://www.siemon.com)