

# MC6 UTP MODULAR CORDS - US

Siemon's category 6 series of modular cords are key components to ensure optimum channel performance of our category 6 UTP systems. A variety of product enhancements contribute to the cord's ground breaking performance – including 250 MHz rated stranded cordage, a patented crosspair isolator and an innovative 360° crimp, which provides excellent plug-to-cable strain relief without causing pair deformation. The cable used to manufacture the category 6 patch cords exceeds the specifications set forth by both ANSI/TIA-568-C.2 and ISO/IEC 11801:2002.



Modular cords feature high performance category 6 cable for optimal flexibility and transmission performance, exceeding category 6 performance specifications

Jacket meets the flame resistance requirements for both CM and LSOH

Optional color clips can easily be snapped on for additional color coding

Boots feature an ultra slim design for high-density patching

Integral latch guard protects plug from snagging when pulling through pathways or cable managers

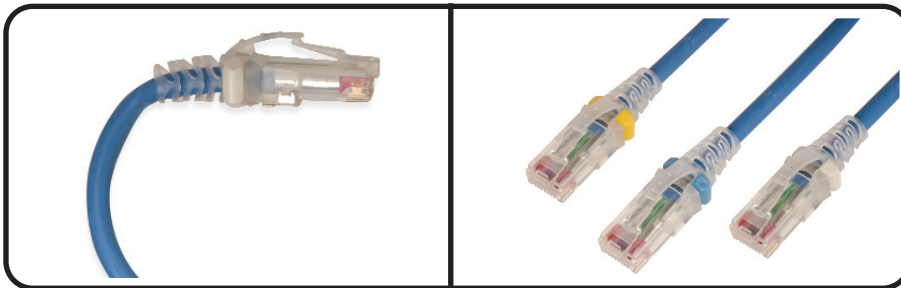
Innovative 360° crimp provides excellent plug-to-cable strain relief without causing pair deformation

Patented metallic isolator inside plug for consistent, exceptional NEXT performance

Internal load bar provides consistent terminations and ideal pair geometry

## STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- IEC 60603-7
- cUL US Listed
- TIA-968-A (formerly FCC Part 68 Subpart F)



Boot and integrated strain relief ensures proper bend relief, critical for category 6 performance

Optional colored clips enable field color coding and can easily be snapped into place without having to disconnect cords

PRODUCT INFORMATION

Performance Specifications:

ELECTRICAL	
Contact Resistance	20 mΩ
Input to Output DC Resistance	200 mΩ
Min. Dielectric Withstand Voltage (contact to contact)	1000 V DC or AC peak
Insulation Resistance	500 mΩ
Compatibility	Backwards to cat 5e
Current Rating @ 25° C	1.5 A
Power over Ethernet	Suitable for PoE and PoE+
MECHANICAL – GENERAL	
Operating Temperature	-10 to 60 °C, (14 to 140 °F)
Flammability Rating	UL 94 - V0
Green Features	RoHS, lead-free, halogen-free, PVC free
Contact Materials	Copper alloy with contact plating of 50 micro inches gold or equivalent
Plastic Materials	Flame retardant thermoplastic
Marking	P/N, length, performance level, QC
MECHANICAL – PLUG	
Number of Plug Insertion Cycles	750
Min. Plug Retention Force	50N
Plug Compatibility	Compatible with RJ45 outlets

MC6 Modular Stranded Category 6 Cords:

MC6-(XX)-(XX).....MC6, double-ended, 4pr stranded modular cord colored jacket with clear boot, T568A/B, CM/LSOH,

Use 1st (XX) to specify cable cord length:

03 = 0.9m (3ft), 05 = 1.5m (5 ft), 07 = 2.1m (7 ft),  
10 = 3.1m (10 ft.) 15 = 4.6m (15 ft), 20 = 6.1m (20 ft.)

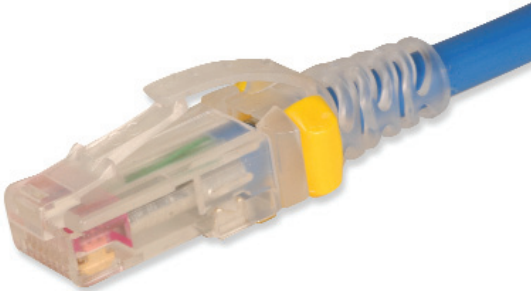
Use 2nd (XX) to specify cable color:

01 = black, 02 = white, 03 = red, 04 = gray, 05 = yellow, 06 = blue,  
07 = green, 08 = violet, 09 = orange

Ⓢ Add "B" for bulk project pack of 100 modular cords

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

MECHANICAL – CABLE (STRANDED)	
Wire Size Range (nominal)	26 AWG 7x34 Stranded tinned copper
Cable Construction	UTP
Cable O.D. (nominal)	5.3mm (0.20 in.)
Wiring	T568A/B
Jacket Type	CM/LSOH
Bend Radius	25mm (1.0 in.)



Color Coding Clips:

CLIP-(XX) .....Color coding clip, bag of 25  
Use (XX) to specify color: 01=black, 02=white, 03=red, 04=gray,  
05=yellow, 06=blue, 07=green, 08 = violet, 09 = orange



Because we continuously improve our products, Siemon 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)

**North America**  
Watertown, CT USA  
Phone (1) 860 945 4200 US  
Phone (1) 888 425 6165 Canada

**Europe/Middle East/Africa**  
Surrey, England  
Phone (44) 0 1932 571771

**Asia/Pacific**  
Shanghai, P.R. China  
Phone (86) 21 5385 0303

**Latin America**  
Bogota, Colombia  
Phone (571) 657 1950