

# MC<sup>®</sup> 6 UTP Modular Cords - North America

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 superior 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-568.2-D and ISO/IEC 11801-1 Ed 1.0.

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

Clear boots and optional color clips enable a single cord part number to be custom colored coded

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

## Excellent Bend Relief

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



## Color Coding

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

## STANDARDS COMPLIANCE

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1 Ed 1.0
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT (PoH)
- IEC 60603-7
- cUL US Listed
- IEC 60332-1, 60754, 61054, 61034
- TIA-968-A (formerly FCC Part 68 Subpart F)



# 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 Type 1,2,3,4 and PoH
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

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.)

## MC 6 UTP Modular Cords

Category 6 MC, double-ended, 4-pair UTP stranded modular patch cord, T568A/B, clear boot.

MC6-(XX)-(XX)

### Cord Length:

- 03 = 0.9m (3 ft.)
- 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.)

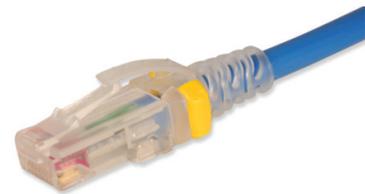
### Cord Color:

- 01 = Black    04 = Gray    07 = Green
- 02 = White    05 = Yellow    08 = Violet
- 03 = Red    06 = Blue    09 = Orange

CLIP-(XX) ..... Color coding clip, bag of 25

### Clip Color

- 01 = Black    04 = Gray    07 = Green
- 02 = White    05 = Yellow    08 = Violet
- 03 = Red    06 = Blue    09 = Orange



ⓑ Add "B" for bulk pack of 100 modular cords.

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)

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