Siemon’s category 6 IC solid single-ended modular cords are designed for use in category 6 applications requiring a consolidation point (CP) or cross-connect (as an equipment cord). The cords are 100% factory transmission tested to 250 MHz and feature the same plug construction used in Siemon’s stranded category 6 modular cords. These cords are available in CMP and CMR versions and are single-ended for direct termination.

Patented metallic isolator shields pairs inside plug for optimum NEXT performance.

Strain and bend relief provides improved plug-to-cable retention and maximum performance by preventing pair deformation, as caused by mechanical strain.


Double and single-end versions available both in T568A and T568B wiring schemes.

All Siemon factory assembled cords are 100% tested to 250 MHz.

Slide on strain relief boots feature a latch guard to protect plug latch from snagging when pulling cords through pathways or cable managers.

Modular plugs provide long-term resistance to corrosion from humidity, extreme temperatures, and airborne contaminants.

Note: IC 6 modular cords are backward compatible with all Siemon lower category-rated outlets. For example, when IC 6 modular cords are used in a System 5e® channel with Siemon category 5e outlets, we guarantee category 5e system performance. Reference Siemon ITR-981124-996 for more information.
PRODUCT INFORMATION

**ELECTRICAL**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Resistance</td>
<td>20 mΩ</td>
</tr>
<tr>
<td>Input to Output DC Resistance</td>
<td>200 mΩ</td>
</tr>
<tr>
<td>Min. Dielectric Withstand Voltage</td>
<td>1000 V DC or AC peak</td>
</tr>
<tr>
<td>Insulation Resistance</td>
<td>500 mΩ</td>
</tr>
<tr>
<td>Compatibility</td>
<td>Backwards to cat 5e</td>
</tr>
<tr>
<td>Current Rating @ 25°C</td>
<td>1.5 A</td>
</tr>
<tr>
<td>Power over Ethernet</td>
<td>Suitable for PoE Type 1,2,3,4 and PoE</td>
</tr>
</tbody>
</table>

**MECHANICAL — GENERAL**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-10 to 60 °C, (14 to 140 °F)</td>
</tr>
<tr>
<td>Flammability Rating</td>
<td>UL 94 - V0</td>
</tr>
<tr>
<td>Green Features</td>
<td>RoHS, lead-free, halogen-free, PVC free</td>
</tr>
<tr>
<td>Contact Materials</td>
<td>copper alloy</td>
</tr>
<tr>
<td>Plastic Materials</td>
<td>Flame retardant thermoplastic</td>
</tr>
<tr>
<td>Marking</td>
<td>P/N, length, performance level, QC</td>
</tr>
</tbody>
</table>

**MECHANICAL — PLUG**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Plug Insertion Cycles</td>
<td>750</td>
</tr>
<tr>
<td>Min. Plug Retention Force</td>
<td>50N</td>
</tr>
<tr>
<td>Plug Compatibility</td>
<td>Compatible with RJ45 outlets</td>
</tr>
</tbody>
</table>

*Refer to Siemon Cable spec sheets for additional performance, electrical and mechanical information.

**Premium 6 IC Modular Cords**

**Part #** | **Description**
--- | ---
IC6E-8A-(XX)-B(XX)(R)(X) | Premium 6 IC, non-plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568B, CMR
IC6E-8T-(XX)-B(XX)(R)(X) | Premium 6 IC, non-plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568A, CMR
IC6E-8A-(XX)-B(XX)(P)(X) | Premium 6 IC, plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568B, CMP
IC6E-8T-(XX)-B(XX)(P)(X) | Premium 6 IC, plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568A, CMP

**System 6 IC Modular Cords**

**Part #** | **Description**
--- | ---
IC6-8A-(XX)-B(XX)(R)(X) | System 6 IC, non-plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568B, CMR
IC6-8T-(XX)-B(XX)(R)(X) | System 6 IC, non-plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568A, CMR
IC6-8A-(XX)-B(XX)(P)(X) | System 6 IC, plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568B, CMP
IC6-8T-(XX)-B(XX)(P)(X) | System 6 IC, plenum, 4-pair UTP 23 AWG solid, modular cord, blue jacket with colored boot, T568A, CMP

Use 1st (XX) to specify cord length: 10 = 3.1m (10 ft.), 20 = 6.1m (20 ft.), 30 = 9.1m (30 ft.), 40 = 12.2m (40 ft.), 50 = 15.2m (50 ft.), 60 = 18.3m (60 ft.)

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

Use (X) to specify single or double ended: Blank = single-ended, D = double-ended

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

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