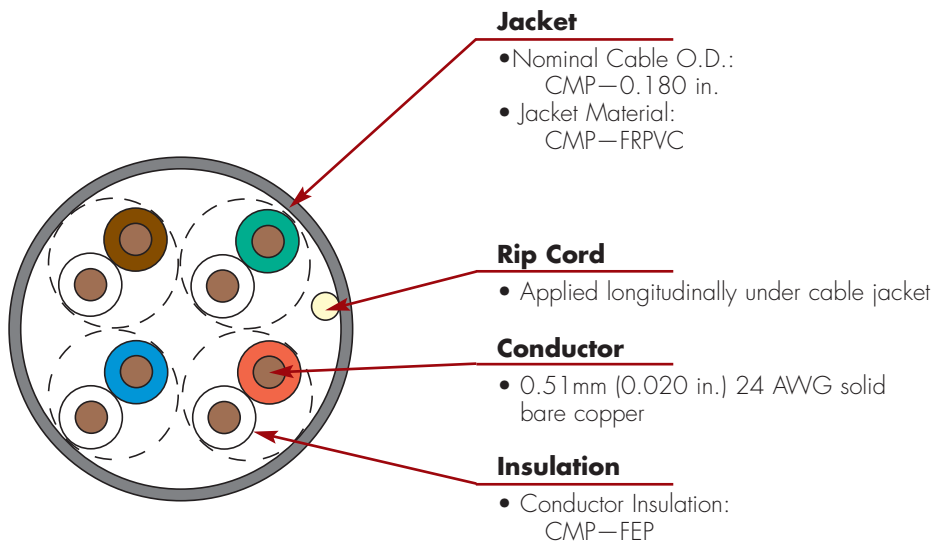
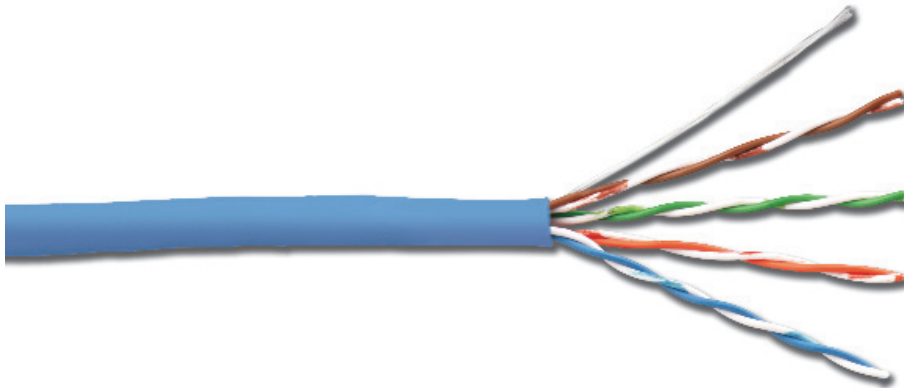


Solution 5e™ UTP Cable — US

Siemon Solution 5e UTP cable perfectly complements the performance of our category 5e outlets. Siemon cable meets or exceeds all ANSI/TIA and ISO/IEC requirements for category 5e transmission performance.



CONSTRUCTION

- Reverse sequential numbering
- Round jacket
- Jacket material is lead free

PACKAGING

- 1000 ft. reelex
- Weight
CMP— 21 lbs/1000 ft.

STANDARDS COMPLIANCE

- IEC 61156-5
- ISO/IEC 11801 Ed 2.2
- ANSI/TIA-568-C.2
- RoHS Compliant
- EN 55024
- EN 50173

ETHERNET APPLICATIONS SUPPORT

- 1000BASE-T
- 100BASE-T
- 10BASE-T

Supports any application designed for category 5e or lower cabling

PRODUCT INFORMATION

Solution 5e UTP Cable

ELECTRICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| DC Resistance | <9.38 Ω/100m |
| DC Resistance Unbalance | 5% |
| Mutual Capacitance | 5.6 nF/100m |
| Capacitance Unbalance | <330 pF/100m |
| Characteristic Impedance (ohms) | 1 - 100 MHz: 100 ± 15% 100 - 350 MHz: 100 ± 22% |
| NVP | CMP—70% |
| Delay Skew | ≤ 45ns |

PHYSICAL PROPERTIES

| | |
|--------------------------|---------------------------|
| Pulling Tension (max) | 110N (25 lbf) |
| Bend Radius (min) | 4 x O.D.; 19mm (0.75) |
| Installation Temperature | 0 to 60°C (+32 to 140°F) |
| Storage Temperature | -20 to 75°C (-4 to 167°F) |
| Operating Temperature | -20 to 60°C (-4 to 140°F) |

TRANSMISSION PERFORMANCE



Guaranteed Worst Case:
Based on category 5e requirements from ANSI/TIA-568-C.2



Siemon Typical:
Based on worst case test data from a randomly selected cable sample

| Frequency (MHz) | Insertion Loss (dB/100m) | | NEXT (dB) | | PS NEXT (dB) | | ACR-N (dB) | | PS ACR-N (dB) | | ACR-F (dB) | | PS ACR-F (dB) | | Return Loss (dB) | | Propagation Delay (ns) | |
|-----------------|--------------------------|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|------------------------|----------------|
| | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical | Guaranteed Worst Case | Siemon Typical |
| 1.0 | 2.0 | 2.0 | 65.3 | 79.8 | 62.3 | 78.2 | 63.3 | 77.8 | 60.3 | 76.2 | 63.8 | 69.4 | 60.8 | 69.0 | 20.0 | 27.4 | 570 | 545 |
| 4.0 | 4.1 | 3.9 | 56.3 | 78.0 | 53.3 | 74.5 | 52.2 | 74.1 | 49.2 | 70.5 | 51.8 | 57.8 | 48.8 | 57.5 | 23.0 | 32.9 | 552 | 527 |
| 10.0 | 6.5 | 6.2 | 50.3 | 68.7 | 47.3 | 65.4 | 43.8 | 62.4 | 40.8 | 59.2 | 43.8 | 50.1 | 40.8 | 49.7 | 25.0 | 31.6 | 545 | 250 |
| 16.0 | 8.2 | 7.9 | 47.2 | 64.5 | 44.2 | 62.9 | 39.0 | 56.5 | 36.0 | 55.0 | 39.7 | 46.0 | 36.7 | 45.4 | 25.0 | 31.7 | 543 | 518 |
| 20.0 | 9.3 | 8.9 | 45.8 | 63.3 | 42.8 | 60.9 | 36.5 | 54.4 | 33.5 | 52.0 | 37.8 | 44.1 | 34.8 | 43.4 | 25.0 | 32.2 | 542 | 517 |
| 31.25 | 11.7 | 11.2 | 42.9 | 59.4 | 39.9 | 57.5 | 31.2 | 48.2 | 28.2 | 46.4 | 33.9 | 40.4 | 30.9 | 39.5 | 23.6 | 33.3 | 540 | 515 |
| 62.5 | 17.0 | 16.0 | 38.4 | 50.6 | 35.4 | 49.4 | 21.4 | 34.6 | 18.4 | 33.4 | 27.9 | 34.6 | 24.9 | 33.7 | 21.5 | 28.1 | 539 | 514 |
| 100.0 | 22.0 | 20.5 | 35.3 | 48.0 | 32.3 | 46.8 | 13.3 | 27.5 | 10.3 | 26.3 | 23.8 | 31.8 | 20.8 | 31.3 | 20.1 | 25.0 | 538 | 513 |
| 160.0* | - | 26.4 | - | 48.5 | - | 46.6 | - | 22.1 | - | 20.2 | - | 30.0 | - | 29.5 | - | 22.3 | - | 512 |
| 200.0* | - | 29.6 | - | 42.9 | - | 41.8 | - | 13.3 | - | 12.2 | - | 29.6 | - | 29.2 | - | 19.8 | - | 512 |
| 250.0* | - | 33.4 | - | 44.8 | - | 43.1 | - | 11.4 | - | 9.7 | - | 31.2 | - | 30.9 | - | 20.8 | - | 511 |
| 300.0* | - | 36.9 | - | 38.9 | - | 38.7 | - | 2.0 | - | 1.8 | - | 33.7 | - | 31.1 | - | 18.5 | - | 511 |
| 350.0* | - | 40.2 | - | 41.8 | - | 40.7 | - | 1.6 | - | 0.5 | - | 34.7 | - | 31.3 | - | 20.2 | - | 511 |

*Performance for frequencies above 100MHz are for information only.
Transmission performance based on 100 meters (328 ft)

Solution 5e Plenum 4-Pair UTP Cable (CMP, CSA Type FT6):

9C5P4-E1-(XX)-RXA.....Plenum, 1000 ft. Reelex

Use (XX) to specify jacket color: **02 = white**, 03 = red, 04 = gray, 05 = yellow, **06 = blue**, 07 = green, 08 = violet, 09 = orange

Cable colors highlighted in red and 1000 ft. package indicate standard products which are readily available.
Other colors may have extended lead times and minimum purchase requirements.

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

Solution 5e™, MAX®, MC®, HD® and S110® are trademarks of Siemon

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