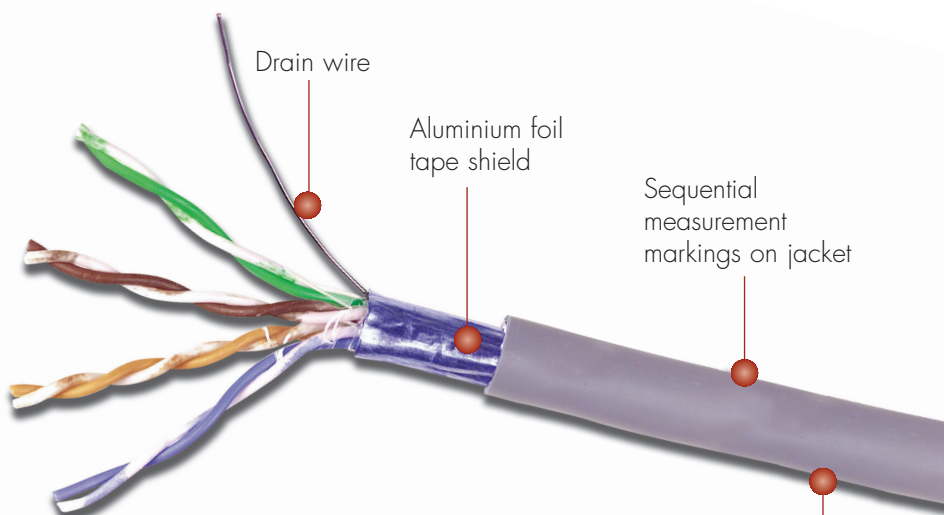


PREMIUM 5e[®] F/UTP CABLE

Siemon screened category 5e cable perfectly complements the performance of our screened 5e outlets. Siemon cable exceeds all TIA/EIA and ISO/IEC requirements for category 5e/class D transmission performance. Utilizing Siemon cable is the ideal way to ensure optimum channel performance and is essential for a complete end-to-end warranted system.



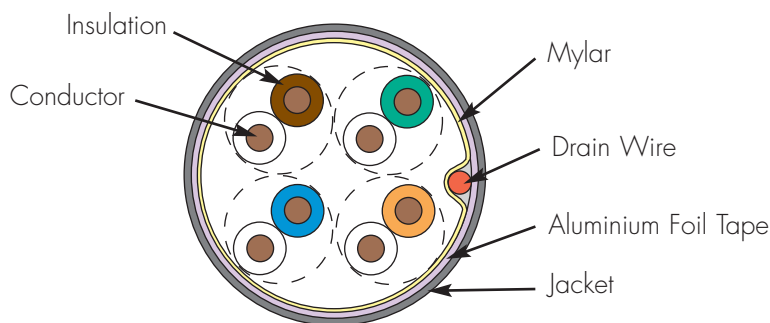
CABLE — INTERNATIONAL



Cable Construction

- F/UTP (ScTP)
- 0.5mm solid bare copper
- 6.1 mm max jacket diameter
- 1.0mm max conductor insulation diameter
- Shield is an aluminium foil tape enclosing a 7-strand 0.6mm tinned copper drain wire

LSOH, CMX and CMR jacket options available



Cable packaged in a reel-in-a-box (305m) to protect product during shipping and facilitate tangle-free installation

Compliance

- ISO/IEC 11801:2002 (category 5e)
- ANSI/TIA/EIA-568-B.2
- IEC 61156-5:2002 (Category 5e)
- LSOH: IEC 60332-1, IEC 60754, and IEC 61034
- UL CMX
- UL CMR and CSA FT4

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PRODUCT INFORMATION

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 - 250 MHz: 100 ± 22% |
| NVP | 69% |
| LCL | 40-10 x log(f)dB |
| Delay Skew | ≤ 40ns |



PHYSICAL PROPERTIES

| | LSOH | CMR/CMX |
|--------------------------|-------------|-------------|
| Pulling Tension (max) | 110N | 110N |
| Bend Radius (min) | 25mm | 25mm |
| Installation Temperature | 0 to 60°C | -36 to 60°C |
| Storage Temperature | -20 to 75°C | -34 to 75°C |
| Operating Temperature | -20 to 60°C | -34 to 60°C |

TRANSMISSION PERFORMANCE

TIA/EIA & ISO/IEC

SIEMON TYPICAL

| Frequency (MHz) | Insertion Loss (dB) | | NEXT (dB) | | PS NEXT (dB) | | ACR (dB) | | PSACR (dB) | | ACR-F (dB) | | PS ACR-F (dB) | | Return Loss (dB) | | Propagation Delay (ns) | |
|-----------------|---------------------|------|-----------|------|--------------|------|----------|------|------------|------|------------|------|---------------|------|------------------|------|------------------------|-----|
| 1.0 | 2.1 | 1.9 | 65.3 | 79.3 | 62.3 | 72.3 | 63.2 | 77.4 | 60.2 | 70.4 | 63.8 | 84.8 | 60.8 | 78.8 | 20.0 | 27.0 | 570 | 545 |
| 4.0 | 4.1 | 3.7 | 56.3 | 70.3 | 53.3 | 63.3 | 52.2 | 66.6 | 49.2 | 59.6 | 51.8 | 72.8 | 48.8 | 66.8 | 23.0 | 32.0 | 552 | 527 |
| 10.0 | 6.5 | 5.8 | 50.3 | 64.3 | 47.3 | 57.3 | 43.8 | 58.5 | 40.8 | 51.5 | 43.8 | 64.8 | 40.8 | 58.8 | 25.0 | 32.0 | 545 | 520 |
| 16.0 | 8.3 | 7.4 | 47.2 | 61.2 | 44.2 | 54.2 | 39.0 | 53.8 | 36.0 | 46.8 | 39.7 | 60.7 | 36.7 | 54.7 | 25.0 | 32.0 | 543 | 518 |
| 20.0 | 9.3 | 8.3 | 45.8 | 59.8 | 42.8 | 52.8 | 36.5 | 51.5 | 33.5 | 44.5 | 37.8 | 58.8 | 34.8 | 52.8 | 25.0 | 32.0 | 542 | 517 |
| 31.25 | 11.7 | 10.5 | 42.9 | 56.9 | 39.9 | 49.9 | 31.1 | 46.4 | 28.1 | 39.4 | 33.9 | 54.9 | 30.9 | 48.9 | 23.6 | 30.0 | 540 | 515 |
| 62.5 | 17.0 | 15.0 | 38.4 | 52.4 | 35.4 | 45.4 | 21.4 | 37.4 | 18.4 | 30.4 | 27.9 | 48.9 | 24.9 | 42.9 | 21.5 | 30.0 | 539 | 514 |
| 100.0 | 22.0 | 19.3 | 35.3 | 49.3 | 32.3 | 42.3 | 13.3 | 30.0 | 10.3 | 23.0 | 23.8 | 44.8 | 20.8 | 38.8 | 20.1 | 30.0 | 538 | 513 |
| 160.0* | 28.6 | 25.1 | 32.2 | 46.2 | 29.2 | 39.2 | 3.7 | 21.1 | 0.7 | 14.1 | 19.7 | 40.7 | 16.7 | 34.7 | 18.7 | 28.0 | 537 | 512 |
| 200.0* | 32.4 | 28.1 | 30.8 | 44.8 | 27.8 | 37.8 | -1.6 | 16.7 | -4.6 | 9.7 | 17.8 | 38.8 | 14.8 | 32.8 | 18.0 | 27.0 | 536 | 512 |
| 250.0* | 36.9 | 31.4 | 29.3 | 43.3 | 26.3 | 36.3 | -7.5 | 11.9 | -10.5 | 4.9 | 15.8 | 36.8 | 12.8 | 30.8 | 17.3 | 26.0 | 536 | 511 |
| 300.0* | 41.0 | 34.5 | 28.1 | 42.1 | 25.1 | 35.1 | -12.8 | 7.6 | -15.8 | 0.6 | 14.3 | 35.3 | 11.3 | 29.3 | 16.8 | 25.0 | 536 | 511 |
| 350.0* | 44.9 | 39.4 | 27.1 | 41.1 | 24.1 | 34.1 | -17.7 | 1.7 | -20.7 | -5.3 | 12.9 | 33.9 | 9.9 | 27.9 | 16.3 | 24.0 | 536 | 511 |

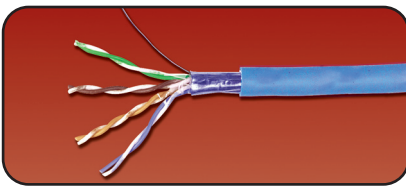
*Values above 100 MHz are informational only.

All performance based on 100 meters.

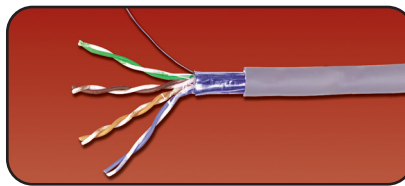
Premium 5e F/UTP 4-Pair Solid Cable:

- 9A5R4-E2PVC (CMR, CSA FT4), Blue Jacket, 305m Reel-in-Box
- 9A5X4-E2PVC (CMX, IEC 60332-1), Grey Jacket, 305m Reel-in-Box
- 9A5L4-E2LSOH (IEC 60332-1), Violet Jacket, 305m Reel-in-Box

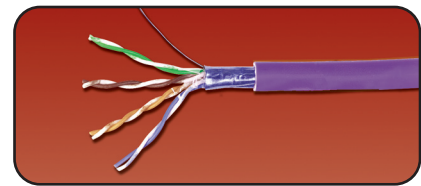
Other cable lengths also available: Add "-5CR" for 500m Reel, "-1KR" for 1000m Reel



9A5R4-E2



9A5X4-E2



9A5L4-E2

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice. Premium 5e®, MAX®, MC®, TERA® and BladePatch® are a trademark of Siemon

For related product information request Spec Sheet(s):

- Screened MAX® 5e Modules (PROD-SS-MX5S)
- Screened MC® 5e & 6 Modular Patch Cords (PROD-SS-MCS)
- Screened BladePatch® 5e (PROD-SS-BDP5eS)
- TERA Patch Panel (PROD-SS-TRAPP)

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