

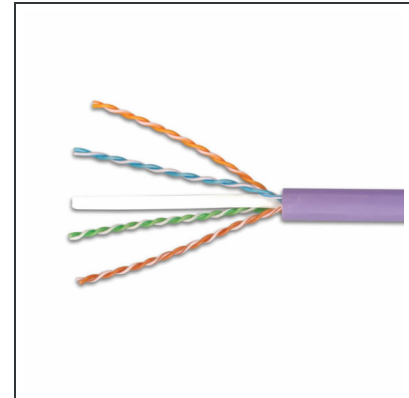
Product Spec Sheet



Part Number: 9U6L4-A5-08AR1A

Description: Cable, Copper, Category 6A, A5, 4 Pair, Solid, TL UTP, LSOH-1/3-22, Violet, Reel, 305 Meter, 23 AWG, 75C

Siemon's Category 6A TL UTP LSOH cable features a tri-layer barrier composed of conductive and non-conductive elements that enables a typical UTP installation process and smaller cable diameter while providing improved heat dissipation providing improved heat dissipation and virtually zero alien crosstalk. These properties make this cable ideal for supporting applications using both remote powering and 10 Gb/s application speeds such as IEEE 802.11ac or IEEE 802.11ax wireless access points or other high-speed emerging or converging IP building automation technologies.



Disclaimer: The product images shown are for illustration purposes only and may not be an exact representation of the product

General:

| | |
|----------------|----------------|
| Product Family | Cable - UTP 6A |
|----------------|----------------|

Ordering & Logistics:

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|-----------------------|---------------|
| Regional Availability | International |
|-----------------------|---------------|

Weights & Dimensions:

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|----------------------|--------|
| Product Weight (kg) | 16.37 |
| Product Weight (lbs) | 36.101 |

Physical Specifications:

| | |
|----------------|-------|
| Conductor Type | Solid |
|----------------|-------|

Product Spec Sheet



| | |
|--|------------------------|
| Cable Length | 305 Meter |
| Cable Construction | TL UTP |
| # of Pairs | 4 Pair |
| Jacket Color | Violet |
| Jacket Type | LSOH-1/3-22 |
| Outer Jacket Material | Polyethylene |
| Double Jacket | No |
| Cable OD (mm) (nominal) | 7.4 |
| Cable OD (in) (nominal) | 0.29 |
| Conductor Insulation OD (mm) (nominal) | 0.6 |
| Conductor Insulation OD (in) (nominal) | BL/GR 0.04, OR/BR 0.05 |
| Conductor AWG (Nominal) | 23 AWG |
| Conductor OD (mm) (nominal) | 0.6 |
| Conductor OD (in) (nominal) | 0.02 |
| Rip Cord | No |
| Isolation Member | Yes |
| Mylar Tape | Yes |
| Gel Filled | No |
| Application Environment | Indoor |
| Overall Shield | No |
| UTP Barrier Layer | Tri-Layer Barrier |
| Packaging | Reel |

Mechanical Specifications:

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|----------------------------|-----------|
| Operating Temperature (°C) | -20 to 75 |
|----------------------------|-----------|

Product Spec Sheet



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|-------------------------------|------------|
| Operating Temperature (°F) | -4 to 167 |
| Installation Temperature (°C) | -10 to 60 |
| Installation Temperature (°F) | -14 to 140 |
| Storage Temperature (°C) | -20 to 50 |
| Storage Temperature (°F) | -4 to 122 |
| Bend Radius (mm) (min) | 30 |
| Bend Radius (in) (min) | 1.18 |
| Pulling Tension (N) (max) | 110 |
| Pulling Tension (lbf) (max) | 25 |

Electrical Specifications:

| | |
|---------------------------------------|------------------|
| Category | Category 6A |
| Performance Level | A5 |
| MHz | 500 MHz |
| DC Resistance @ 20°C (68°F) | <9.38Ω/100m |
| DC Resistance Unbalance Within Pairs | ≤2% |
| DC Resistance Unbalance Between Pairs | ≤5% |
| Mutual Capacitance | ≤5.6 nF/100m |
| Capacitance Unbalanced | ≤160 pF/100m |
| NVP | 65.00% |
| TCL | ≥50-10*log(f) dB |
| Delay Skew | ≤45 ns/100m |
| Voltage Rating | 300V |
| Max Operating Voltage | 80V |

Product Spec Sheet



Compliance:

| | |
|----------------------|---|
| Industry Standards | ANSI/TIA-568.2-D (Category 6A), IEC 61156-5 (Category 6A), ISO/IEC 11801-1 (Class Ea), IEC 60332-1, IEC 60754-2, IEC 61034-2, EN50575 |
| Applications Support | 10GBASE-T, 2.5/5GBASE-T, 10/100/1000BASE-T, PoE (Type 1,2,3,4) and PoH |
| Sustainability | RoHS, REACH, Lead-free, Halogen-free, PVC-free |

For more details about the product, please [Click Here](#)

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

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|---|---|---|--|-------------------------------------|--|
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