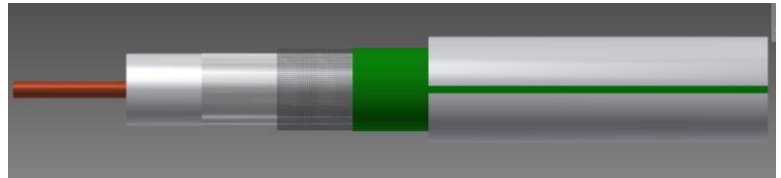


Series 9 Coaxial Cable - LTE

- Copper Conductor
- Foamed Polyethylene Dielectric
- Bonded APA Laminate Shield
- 46% Tinned Copper Braid
- APA Laminate Shield (ShieldX™)
- White Thermoplastic-Polyolefin Jacket
- Green Tracer Stripe
- Flame Retardant, Low-Smoke, Zero-Halogen
- RoHS and WEEE Compliant
- Meets EuroClass Cca S1a D0 A1
- Meets Class A+ Shielding, EN 50117 2-4



Cable Ordering Information

| Part Number | Description | NEC / CSA Listing |
|----------------------|--|-------------------|
| 009146T04WH412CU32R6 | T9SCTSFx46T-O (FR LSZH) WHITE / DBS T-GNNN - EUROCLASS Cca S1a D0 A1 | none |

Characteristics

| Material | Detail | inches | mm |
|---------------------------------|---------------------------|--------|------|
| Inner Conductor | Copper | 0.0440 | 1.12 |
| Dielectric | Foamed Polyethylene | 0.189 | 4.80 |
| 1 st Outer Conductor | Sealed APA Tape | 0.195 | 4.95 |
| 2 nd Outer Conductor | 46% Tinned Copper Braid | 0.215 | 5.46 |
| 3 rd Outer Conductor | APA Tape (ShieldX™) | 0.220 | 5.59 |
| Floodant | --- | --- | --- |
| Jacket | Polyolefin, White, FRLSZH | 0.280 | 7.11 |
| Twisted Pairs | --- | --- | --- |
| Messenger | --- | --- | --- |

Mechanical Specifications

| | | | |
|------------------------|-------------|-------------------|---------------|
| Minimum Bend Radius | | 1.25 | 31.75 |
| Product Weight | (less reel) | 33 lbs / kft | 49 kg / km |
| Length | | 3280 ft | 1000 m |
| Pull Force | SCTE | > 11 lbf < 18 lbf | > 50 N < 80 N |
| Tensile | SCTE | ≥ 27 lbf | ≥ 120 N |
| Temperature, Operating | | -13 to 167 °F | -25 to +75 °C |

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

Times Fiber Communications, Inc.
 358 Hall Avenue
 Wallingford, CT 06492
 Toll Free +1-800-677-2288
 Toll +1-434-432-1800
 Fax +1-434-432-1821
 www.timesfiber.com

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 a1_3ghz19
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Electrical Specifications

| | | |
|--|--------------------------|---------------|
| Impedance, Ω | 75 \pm 3 | |
| Velocity of Propagation, % | 85 | |
| Capacitance, Nominal | 16.2 pF/ft | 53.2 pF/m |
| DC Resistance | Ω / kft | Ω / km |
| Inner Conductor | 5.47 | 18 |
| Outer Conductor | 9.13 | 30 |
| Loop | 14.6 | 48 |
| Structural Return Loss, dB | | |
| 5-30 MHz | -27 | |
| 30-470 MHz | -27 | |
| 470-1000 MHz | -24 | |
| 1000-2000 MHz | -22 | |
| 2000-3000 MHz | -20 | |
| RFI Shielding | | |
| Meets Class A+ Shielding, EN 50117 2-4 | | |
| Transfer Impedance | | |
| 5-30 MHz | \leq 2.5 m Ω ·m | |
| Screening Attenuation | | |
| 30-1000 MHz | \geq 95 dB | |
| 1000-2000 MHz | \geq 85 dB | |
| 2000-3000 MHz | \geq 75 dB | |

Attenuation, Maximum @ 68 °F (20 °C)

| Frequency, MHz | dB / 100 ft | dB / 100 m |
|----------------|-------------|------------|
| 5 | 0.58 | 1.90 |
| 55 | 1.50 | 4.92 |
| 211 | 2.87 | 9.42 |
| 250 | 3.12 | 10.24 |
| 270 | 3.24 | 10.63 |
| 300 | 3.43 | 11.25 |
| 330 | 3.61 | 11.84 |
| 350 | 3.72 | 12.20 |
| 400 | 4.00 | 13.12 |
| 450 | 4.28 | 14.04 |
| 500 | 4.51 | 14.80 |
| 550 | 4.76 | 15.62 |
| 600 | 4.98 | 16.34 |
| 750 | 5.62 | 18.44 |
| 870 | 6.09 | 19.98 |
| 1000 | 6.54 | 21.46 |
| 1250 | 7.31 | 23.98 |
| 1350 | 7.60 | 24.93 |
| 1500 | 8.01 | 26.28 |
| 2000 | 9.25 | 30.35 |
| 2500 | 10.34 | 33.92 |
| 3000 | 11.33 | 37.17 |

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