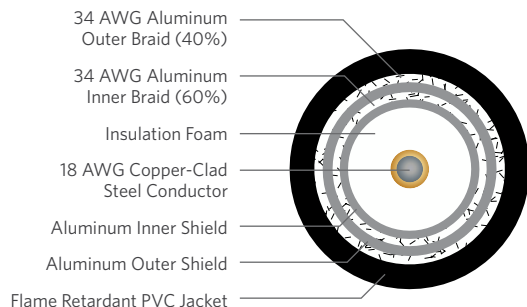


Coax RG-6, Quad Shield

CM, CMR, CMP



SPECIFICATIONS

| | |
|--------------------------------------|---|
| Conductor | Copper clad steel |
| AWG (mm) | 18 (1.02) |
| Inner Shield | CM/CMR: 2.8 mil aluminum foil CMP: Aluminum/polyester/aluminum |
| Inner Braid | 34 AWG aluminum (60%) |
| Outer Shield | CM/CMR: 1.8 mil aluminum foil CMP: Aluminum/polyester/aluminum |
| Outer Braid | 34 AWG aluminum (40%) |
| Insulation | CM/CMR: Polyethylene CMP: FEP |
| Jacket | PVC (polyvinyl chloride) |
| Nominal Impedance Ohms | 75 |
| Nominal Velocity of Propagation % | CM/CMR: 85 CMP: 80 |
| Performance Compliance | UL® 13 UL 444 CSA C22.2 No. 214-08 UL 1685 UL 1666 NFPA 262 RoHS-compliant/RoHS 2-compliant |
| NRTL Programs | UL, c(UL) Listed CM UL, c(UL) Listed CMR UL, c(UL) Listed CMP |

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PRODUCT DESCRIPTION

Superior Essex RG-6, Quad Shield coaxial cables are designed to support technologies such as extended bandwidth satellite service, high definition TV signals, CATV and two-way cable modems. Superior Essex maintains tight tolerances to cable diameter requirements of leading connector manufacturers.

APPLICATIONS

- HDTV and CATV
- Two-way cable modems
- Extended bandwidth satellite service

FEATURES

- RG-6, Quad Shield Coaxial cable with bandwidth that exceeds 3 GHz
- Tight foamed polyethylene (CM and CMR) or fluoropolymer (CMP) insulating skin bonds around center conductor
- Black and white jacket colors available for CM, CMR and CMP versions

BENEFITS

- “Future-proofing” the installation. Supports extended bandwidth satellite service and high-definition TV signals
- Exhibits better transmission characteristics
- Helps differentiate incoming service versus internal cabling infrastructure

PART NUMBERS AND PHYSICAL CHARACTERISTICS

| Listing | Part Number | Component Jacket Color | Nominal Diameter | | | Approx. Weight lbs/kft (kg/km) | Package | Packages per Pallet |
|---------|-------------|------------------------|------------------|--------------------|----------------|--------------------------------|---------------------|---------------------|
| | | | Overall in (mm) | Dielectric in (mm) | Shield in (mm) | | | |
| CM | 78-147-91 | White | 0.30 (7.5) | 0.18 (4.6) | 0.19 (4.8) | 29 (43) | 1,000' Plywood reel | 27 |
| CM | 79-147-91 | Black | 0.30 (7.5) | 0.18 (4.6) | 0.19 (4.8) | 29 (43) | 1,000' Plywood reel | 27 |
| CM | 78-147-9P | White | 0.30 (7.5) | 0.18 (4.6) | 0.19 (4.8) | 29 (43) | 1,000' POP™ box | 20 |
| CM | 79-147-9P | Black | 0.30 (7.5) | 0.18 (4.6) | 0.19 (4.8) | 29 (43) | 1,000' POP box | 20 |
| CMR | 78-148-91 | White | 0.30 (7.5) | 0.18 (4.6) | 0.19 (4.8) | 30 (45) | 1,000' Plywood reel | 27 |
| CMR | 79-148-91 | Black | 0.30 (7.5) | 0.18 (4.6) | 0.19 (4.8) | 30 (45) | 1,000' Plywood reel | 27 |
| CMP | 78-14C-91 | White | 0.26 (6.7) | 0.17 (4.3) | 0.23 (5.9) | 30 (45) | 1,000' Plywood reel | 25 |
| CMP | 78-14C-9P | White | 0.26 (6.7) | 0.17 (4.3) | 0.22 (5.5) | 32 (47) | 1,000' POP box | 36 |
| CMP | 79-14C-91 | Black | 0.26 (6.7) | 0.17 (4.3) | 0.23 (5.9) | 30 (45) | 1,000' Plywood reel | 25 |



ELECTRICAL SPECIFICATIONS

| Frequency MHz | CM/CATV and CMR/CATVR Attenuation Maximum | | CM/CATV and CMR/CATVR SRL, Typical dB |
|------------------|--|---------------------------------|---|
| | Specification dB/100 ft (dB/100 m) | Typical dB/100 ft (dB/100 m) | |
| 55 | 1.6 (5.3) | 1.3 (4.8) | 20 |
| 211 | 3.1 (10.1) | 2.7 (9.0) | 20 |
| 270 | 3.5 (11.5) | 3.1 (10.3) | 20 |
| 300 | 3.7 (12.1) | 3.4 (11.0) | 20 |
| 330 | 3.9 (12.8) | 3.6 (11.7) | 20 |
| 400 | 4.3 (14.1) | 4.0 (13.1) | 20 |
| 450 | 4.6 (15.0) | 4.1 (13.6) | 20 |
| 550 | 5.1 (16.7) | 4.7 (15.3) | 20 |
| 750 | 6.0 (19.7) | 5.2 (17.1) | 20 |
| 870 | 6.5 (21.3) | 6.0 (19.7) | 20 |
| 1000 | 7.0 (23.0) | 6.5 (21.2) | 20 |
| 1200 | | 7.2 (23.7) | 18 |
| 1450 | | 8.0 (26.1) | 18 |
| 1800 | | 8.8 (29.0) | 18 |
| 2200 | | 9.8 (32.1) | 18 |
| 2600 | | 10.7 (35.2) | 15 |
| 3000 | | 11.7 (38.3) | 15 |

| Frequency MHz | CMP/CL2P Attenuation, Nominal dB/100 ft (dB/100 m) | CMP/CL2P SRL, Nominal dB |
|------------------|--|--------------------------------|
| 1 | 0.50 (1.64) | 10 |
| 3.6 | 0.78 (2.56) | 10 |
| 10 | 0.94 (3.08) | 10 |
| 50 | 1.93 (6.33) | 10 |
| 71.5 | 2.32 (7.61) | 10 |
| 100 | 2.74 (8.99) | 10 |
| 135 | 3.19 (10.47) | 10 |
| 200 | 3.89 (12.76) | 10 |
| 360 | 5.22 (17.13) | 10 |
| 540 | 6.19 (20.31) | 10 |
| 720 | 7.72 (25.33) | 10 |
| 900 | 9.01 (29.56) | 10 |
| 1000 | 9.61 (31.53) | 10 |
| 1450 | 12.40 (40.68) | 10 |
| 1800 | 14.36 (47.11) | 10 |
| 2000 | 15.50 (50.85) | 10 |
| 2250 | 16.96 (55.64) | 10 |
| 3000 | 20.76 (68.11) | 10 |

