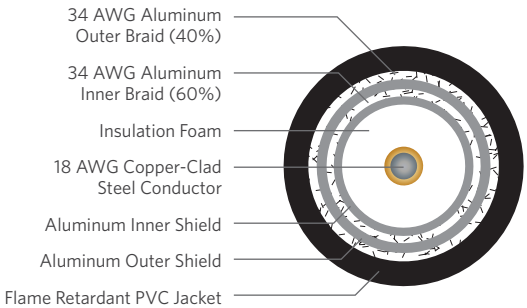
Coax RG-6, Quad Shield

CM, CMR, CMP



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	BENEFITS
• RG-6, Quad Shield Coaxial cable with bandwidth that exceeds 3 GHz	• "Future-proofing" the installation. Supports extended bandwidth satellite service and high-definition TV signals
• Tight foamed polyethylene (CM and CMR) or fluoropolymer (CMP) insulating skin bonds around center conductor	• Exhibits better transmission characteristics
• Black and white jacket colors available for CM, CMR and CMP versions	• Helps differentiate incoming service versus internal cabling infrastructure

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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PART NUMBERS AND PHYSICAL CHARACTERISTICS

			Nominal Diameter					
Listing	Part Number	Component Jacket Color	Overall in (mm)	Dielectric in (mm)	Shield in (mm)	Approx. Weight lbs/kft (kg/km)	Package	Packages per Pallet
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

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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