

Minimax Miniature/Siamese Broadcast Cable

Rev. 1. 11/99

Overall Assembly:

- 1 minimax RG-179 type coax
- 1 pair 22 AWG (7 x 30) shielded
- Siamese construction
- (Coax) foam polyethylene insulation Nom. O.D. .085" (2.16 mm)
- (Coax) bare copper braided shield 95% coverage
- (Pair) polyolefin insulation
- (Pair) overall shielded aluminum polyester foil with TC drain wire
- Overall PVC jacket Nom. O.D. .146" x .302" (3.71mm x 7.67mm)
- Colors: Black, White
- Standard spool size: 1000 feet

Rating as per NEC:

- UL listed NEC type CM
- C(UL) listed type CMH
- Constructed in accordance with UL Standard 444
- Complies with UL 1581 Vertical Tray Flame Test
- Temperature range: -20° C to 75° C dry locations
- Meets 300 volt requirement as specified in section 800 of the NEC

Applications:

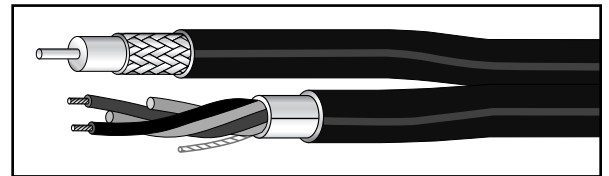
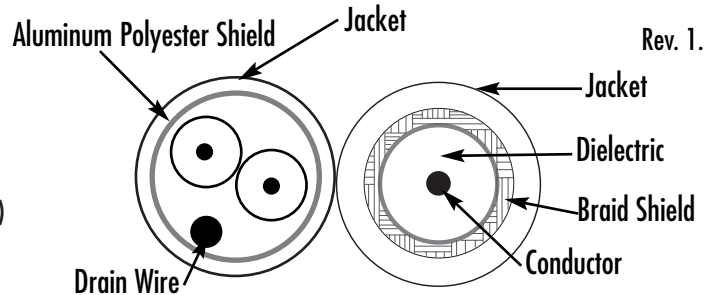
Indoor (non-conduit per NEC) for:

- CCTV
- Audio and Video

Installation Characteristics:

- Minimum Bend Radius: 1.75"
- Maximum Pulling Tension: 48 lbs.

CAUTION: Dry locations only. The electronic characteristics of this cable may change due to excessive tension, crushing, and application of pulling compounds during installation.



Electrical Characteristics (coax):

- Nominal capacitance conductor to shield: 16.2 pf/ft 53.1 pf/m
- Vel. of Prop. : 82%
- Nom. Impedance: 75Ω
- Nom. D.C.R. @ 20°C: 30Ω/1000 ft.
- 100% Sweep Tested
- Structural Return Loss: 1-50 MHz 27 db MIN
51-216 MHz 20 db MIN

Electrical Characteristics (twisted pair):

- Nominal capacitance conductor to shield: 32 pf/ft* 67 pf/m**
- Nom. D.C.R. @ 20°C: 17Ω/1000 ft.
- * Capacitance between conductors
- ** Capacitance between one conductor and other connected to the shield

Coaxial Cable Loss Factors
Nominal Attenuation

MHz	db/100 ft	db/100 m
1	.5	1.64
5	1.3	4.26
10	1.8	5.9
50	3.6	11.81
100	5.3	17.38