



RG-6/U Type CATV/MATV Coax

Description:

- Solid Bare Copper Conductor
- Gas Injected Foam Polyethylene Insulation
- Quad-Shield, BiFoil*, Aluminum Braid, BiFoil*, plus Aluminum Braid.
- PVC Jacket
- Standard Spool Size 1000ft

Rating as per NEC:

- UL Listed NEC Type CATV, CL2
- Constructed I.A.W. (UL) Standard 13
- Listed as being resistant to the spread of fire as defined in Article 725 of the NEC (UL 1581 Vertical Tray Flame Test)
- Temperature Range: -20°C to 75° dry locations

Applications:

Indoor (non-conduit per NEC) for:

- CATV
- MATV

Jacket Color: Black



Construction

AWG Size	18
Stranding	Solid Bare Copper
Insulation	Gas Injected Polyethylene
Insulation Nom. O.D.	.180 (4.57mm)
1st Shield Type % Coverage	BiFoil* 100%
2nd Shield Type % Coverage	Aluminum Braid 65%
3rd Shield Type % Coverage	BiFoil* 100%
4th Shield Type % Coverage	Aluminum Braid 55%
Jacket Type	PVC
Nom. O.D.	.283(7.19mm)

Coaxial Cable Loss Factors

Nominal Attenuation

Mhz	db/100 ft	db/100 m
5	.57	1.87
55	1.45	4.76
100	1.85	6.07
400	3.85	12.63
750	5.40	17.71
1000	6.30	20.66
1450	8.05	26.40
2200	9.00	29.52

Suggested Connectors

Connector Type	Connector Part Number	Crimp Tool	Stripping Tool
"F"	CN-F56ALX	TL-111	TL-120
1 Piece BNC	CN-BM51-5	---	TL-120
3 Piece BNC	CN-BM53-5	TL-110	TL-121

*BiFoil is an aluminum polyester aluminum tape.

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

(Calculated Quantities)

Nominal Capacitance Conductor to Shield	16.2 pf per foot
	53.1 pf per meter
Vel. of Prop.	82%
Nom. Imp.	75Ω

Structural Return Loss (SRL):

- 5 - 850 MHz - 23dB min
- 851 MHz - 2.2 GHz - 21dB min

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