

RG-59/U Type Triaxial Cable

Rev. 1. 8/99

Description:

- ASTM bare copper conductor 20 AWG solid .032" (.81mm)
- Gas injected foam polyethylene insulation Nom. O.D. .142" (3.61mm)
- Two bare copper braided shields with 95% coverage each
- PVC separator between shields .020" (.51mm)
- Overall 75° PVC jacket Nom. O.D. .315" (8.0mm)
- Color: Black
- Standard spool size 1000 feet

Applications:

Indoor (non-conduit per NEC) for:

- Pro Video
- Teleprompter and Monitoring Feeds
- Robotic Functions

Rating as per NEC:

- UL Listed NEC type 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: -10° C to 75° C dry locations

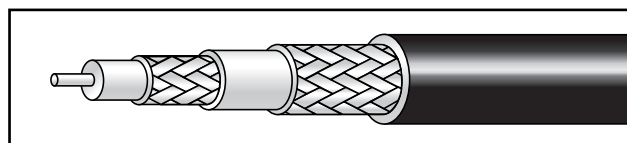
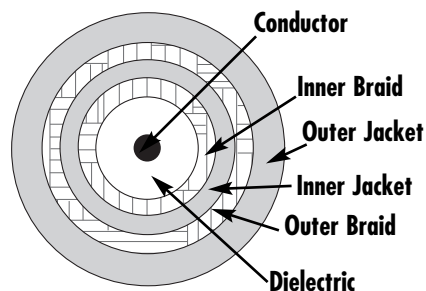
Suggested Triaxial Connectors:

- Kings Female # 7703-9
- Kings Male # 7705-9

Installation Characteristics:

- Minimum Bend Radius: 3.25"
- Maximum Pulling Tension: 84 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:

- 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: 10.1 Ω/1000 ft.
- 100% Sweep Tested
- Structural Return Loss: 5-300 MHz 23db MIN

Coaxial Cable Loss Factors Nominal Attenuation		
MHz	db/100 ft	db/100 m
1	.5	1.6
5	.7	2.3
10	.9	3.0
50	1.8	5.9
100	2.2	7.2
400	5.6	18.4
750	7.2	23.6
1000	9.1	29.8