

RG8/U Plenum Coaxial Cable

Description:

- ASTM BARE copper conductor
- Foam FEP insulation
- Bare copper braid shield
- Copolymer plenum jacket
- Standard spool size 1000 feet



Rating as per NEC:

- UL or C(UL)⁺ listed NEC type CL2P
- Temperature range: -10° C to 125° C dry locations

Applications:

Indoor (non-conduit per NEC) within ducts, plenums and other spaces used for environmental air for:

- 50 ohm systems

Jacket Color: Natural

Construction	
Conductors	1
AWG Size	13
Stranding	7X21
Insulation with Tape Barrier	Foam Teflon
Insulation Nom. O.D.	.280 inch (7.11 mm)
Shield Type and % Coverage	Bare Copper Braid 95%
Jacket Type	Copolymer Plenum
Nom. O.D.	.352 inch (8.94 mm)

Coaxial Cable Loss Factors		
Nominal Attenuation		
Mhz	db/100 ft	db/100 m
50	.94	3.1
100	1.4	4.6
200	2.1	6.9
300	2.8	9.2
500	3.8	12.5
700	4.8	15.7
900	5.7	18.7

Electrical Characteristics	
(Calculated Quantities)	
Nominal Capacitance Conductor to Shield	25 pf per foot
	82 pf per meter
Vel. of Prop.	82%
Nom. Imp.	50 Ω
Nom. D.C.R. (Resistance) @ 20° C	1.9 Ω per 1000 feet

Suggested Cambridge Connectors			
3 Piece (BNC)	2 Piece (BNC)	1 Piece (Twist-On)	"F Type" (1 Piece)
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CAUTION: Dry locations only. The electronic characteristics of this cable may change due to excessive tension, crushing, and application of pulling compounds during installation. When installing and handling this product in temperatures of 32° F or less, we recommend conditioning the cable at least 24 hours at room temperature to insure best results.

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