Rev. 3-10/01

RG58/U Plenum Coaxial Cable

Description:

- ASTM Tinned copper conductor
- Foam FEP insulation
- Tinned copper braid shield
- Flexible plenum jacket
- Standard spool size 1000 feet

Rating as per NEC:

- UL or C(UL)+ listed NEC type CMP as defined in Article 800
- Constructed in accordance with UL Standard 444
- Complies with UL 910 test modified ASTM Steiner Tunnel Test
- Temperature range: −10° C to 75° 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: Ivory

Special Notes:

+C(UL) CMP Canadian UL accepted mark replaces PCC−FT6

Construction	
Conductors	1
AWG Size	20
Stranding	19x32
Insulation with Tape Barrier	Foam Teflon
Insulation Nom. O.D.	.102 inch (2.59 mm)
Shield Type and % Coverage	Tinned Copper Braid 95%
Jacket Type	Flexible Plenum
Nom. O.D.	.158 inch (4.01 mm)

Coaxial Cable Loss Factors
Nominal Attenuation

Mhz	db/100 ft	db/100 m
1	.35	1.2
10	1.4	4.6
50	2.2	7.2
100	3.1	10.2
200	4.5	14.8
300	5.7	18.7
700	9.2	30.2
900	10.6	34.8

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	8.8 Ω per 1000 feet

Suggested Cambridge Connectors			
3 Piece (BNC)	2 Piece (BNC)	1 Piece (Twist-0n)	"F Type" (1 Piece)
CN-BM53-25	--	--	--

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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