Rev. 3-10/01

Plenecon® RG-59 Type CCTV Plenum Coaxial Cable

Description:

- ASTM bare copper conductor
- Foam teflon insulation
- Bare 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:

- CCTV

Jacket Color: Ivory

Special Notes:

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

Construction	
Conductors	1
AWG Size	20
Stranding	Solid
Insulation with Tape Barrier	Foam Teflon
Insulation Nom. O.D.	.138 inch (3.51 mm)
Shield Type and % Coverage	Bare Copper Braid 95%
Jacket Type	Flexible Plenum
Nom. O.D.	.207 inch (5.26 mm)

Coaxial Cable Loss Factors Nominal Attenuation		
Mhz	**db/100 ft**	**db/100 m**
1	.35	1.2
10	.85	2.8
50	1.9	6.2
100	2.7	8.9
200	3.9	12.8
500	7.0	23.0
700	8.3	27.2
1000	9.6	31.5

Electrical Characteristics (Calculated Quantities)	
Nominal Capacitance Conductor to Shield	16.2 pf per foot
	56 pf per meter
Vel. of Prop.	82%
Nom. Imp.	75 Ω
Nom. D.C.R. (Resistance) @ 20° C	10.1 Ω per 1000 feet

Suggested Cambridge Connectors			
3 Piece (BNC)	**2 Piece (BNC)**	**1 Piece (Twist-0n)**	**"F Type" (1 Piece)**
CN-BM53-30	CN-BM52-10	CN-BM51-10	CN-F59TFE/WP

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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