

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

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
10	.68	2.23
50	1.80	5.90
100	2.52	8.27
200	3.91	12.84
400	5.30	17.38
700	7.24	23.76
900	8.29	27.19
1000	8.76	28.73

Suggested Connectors

3 Piece (BNC)	2 Piece (BNC)	1 Piece (Twist-On)	"F Type" (1 Piece)
CN-BM53-30	CN-BM52-10	CN-BM51-10	CN-F59TFE/WP
75Ω 3 Piece (BNC)	COMP. BNC	COMP. RCA	
CN-BM73-30	CN-BNCSNS-10	CN-CSRCA-59	

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

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