



25810

RG213/U Type 50 Ohm Plenum
 RF 50 Ohm Video, Wireless Mic Distribution

Construction & Dimensions

CONSTRUCTION & DIMENSIONS	-
CONDUCTOR PARAMETER	-
• Number of Conductors	1
• AWG Size	13
• Conductor Stranding	7x20
• Conductor Type	Bare copper
• Nominal DCR	1.9 Ohm/1000ft
INSULATION PARAMETER	-
• Insulation Type	Foam FEP
• Insulation Thickness	0.28 in
SHIELDING PARAMETER	-
• Shield Type	100% Aluminum Foil + 95% Type Copper Braid
ELECTRICAL CHARACTERISTICS	-
• Nominal Impedance	50 Ohm
• Nom. Cap. Between Conductors	25 pF/ft

Overall Construction

OVERALL CONSTRUCTION PARAMETERS	-
Jacket Type	PVDF
Nominal Cable O.D.	0.352 in
Plenum	Yes
NEC UL Rating	CL2P
RoHS Compliant	Yes
Bend Radius	3.519 in
Cable Weight	120 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	-
Nominal Velocity of Propagation (VP)	80 %
UL Flammability	NFPA 262 Plenum
Operating Range	-40 to 75 Deg C
UL Voltage Rating	300

Detailed Specification & Technical Data



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Attenuation Performance

FREQUENCY (MHz)	ATTENUATION (db/100ft)
1 MHz	0.2 dB
10 MHz	0.6 dB
50 MHz	1.3 dB
100 MHz	2 dB
200 MHz	2.8 dB
400 MHz	4 dB
900 MHz	6.7 dB
1000 MHz	7.2 dB

Power Rating

FREQUENCY [MHz]	MAX POWER RATING [W]
1 MHz	7,950 W
10 MHz	2,761 W
50 MHz	1,122 W
100 MHz	748 W
200 MHz	494 W
400 MHz	326 W
700 MHz	235 W
900 MHz	205 W
1,000 MHz	194 W
4,000 MHz	110 W

Related Products

RELATED PRODUCTS	
Non Plenum Number	810
BNC Crimp	CN25810KBNC