



**810**

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

**Construction & Dimensions**

CONSTRUCTION & DIMENSIONS	-
CONDUCTOR PARAMETER	-
• Number of Conductors	1
• AWG Size	12
• Conductor Stranding	7x20
• Conductor Type	Bare copper
• Nominal DCR	1.9 Ohm/1000ft
INSULATION PARAMETER	-
• Insulation Type	Foam Polyethylene
• Insulation Thi kness	0.28 in
SHIELDING PARAMETER	-
• Shield Type	100% Aluminum Foil +95% Tinned Copper Braid
ELECTRICAL CHARACTERISTICS	-
• Nominal Impedance	50 Ohm
• Nom. Cap. Between Conductors	25 pF/ft

**Overall Construction**

OVERALL CONSTRUCTION PARAMETERS	-
Jacket Type	PVC
Jacket Thi kness	0.044 in
Nominal Cable O.D.	0.405 in
Plenum	No
NEC UL Rating	CM
RoHS Compliant	Yes
Bend Radius	4.05 in
Cable Weight	105 lbs

**Overall Electrical & Optical Characteristics**

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	-
Nominal Velocity of Propagation (VP)	80 %
UL Flammability	UL1685
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	
Plenum Number	25810
BNC Crimp	CN-BM53-8