



812

RG58/U 50Ohm Non-Plenum
RF 50 Ohm Video, Wireless Mic Distribution

Construction & Dimenstions

CONSTRUCTION & DIMENSIONS	-
CONDUCTOR PARAMETER	-
• Number of Conductors	1
• AWG Size	20
• Conductor Stranding	19x32
• Conductor Type	Tinned Copper
• Nominal DCR	8.8 Ohm/1000ft
INSULATION PARAMETER	-
• Insulation Type	Foam Polyethylene
• Insulation Thickness	0.116 in
SHIELDING PARAMETER	-
• Shield Type	Overall 100% Aluminum Foil
• Shield Type 2	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 Thickness	0.031 in
Nominal Cable O.D.	0.195 in
Plenum	No
NEC UL Rating	CM
RoHS Compliant	Yes
Pull Tension	45 lbs
Bend Radius	1.95 in
Cable Weight	30 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



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Attenuation Performance

ATTENUATION PERFORMANCE	
FREQUENCY [MHz]	ATTENUATION [dB/100ft]
1 MHz	0.3 dB/100ft
10 MHz	1.1 dB/100ft
50 MHz	2.5 dB/100ft
100 MHz	3.8 dB/100ft
200 MHz	5.6 dB/100ft
400 MHz	8.4 dB/100ft
900 MHz	13.7 dB/100ft
1000 MHz	14.5 dB/100ft

Power Rating

FREQUENCY [MHz]	MAX POWER RATING [W]
50 MHz	530 W
100 MHz	350 W
400 MHz	160 W
1,000 MHz	90 W

Related Products

RELATED PRODUCTS	
Plenum Number	25812
BNC Crimp	CN-BM53-13