

Detailed Specification & Technical Data



259868

RG8/U - 10AWG 50 Ohm Coaxial Cable CMP Rated

RF 50 Ohm Video, Wireless Mic Distribution

Construction & Dimensions

CONDUCTOR PARAMETERS	
Number Of Conductors	1
AWG Size	10
Conductor Stranding	Solid
Conductor Type	Bare copper
Nominal DCR	0.9 Ohm/1000ft
INSULATION PARAMETERS	
Insulation Type	Foam FEP
Insulation Thickness	0.292 in
SHIELDING PARAMETERS	
Shield Type	Overall 100% Aluminum Foil
Shield Type 2	90% Tinned Braid
ELECTRICAL CHARACTERISTICS	
Nominal Impedance	50 Ohm
Nominal Capacitance Between Conductors	25 pF/ft

Overall Construction

OVERALL CONSTRUCTION PARAMETERS	
Jacket Type	PVDF
Nominal Cable O.D.	0.362 in
Plenum	Yes
NEC UL Rating	CMP
RoHS Compliant	Yes
Pull Tension	300 lbs
Bend Radius	4.05 in
Cable Weight	103 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	
Nominal Velocity of Propagation (VP)	83 %
Delay Skew	1.2 ns/ft
UL Flammability	NFPA 262 Plenum
Operating Range	-50 to 150 Deg C
UL Voltage Rating	300

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2598G8

Attenuation Performance

Frequency (MHz)	Attenuation (db/100ft)
1 MHz	0.1 db/100ft
10 MHz	0.4 db/100ft
50 MHz	1 db/100ft
100 MHz	1.4 db/100ft
200 MHz	2.0 db/100ft
400 MHz	3.1 db/100ft
650 MHz	4.3 db/100ft
900 MHz	5.5 db/100ft
1000 MHz	5.8 db/100ft
4000 Mhz	14.0 db/100ft

Power Rating

Frequency [MHz]	Max Power Rating [W]
5 MHz	4,021 W
10 MHz	3,217 W
50 MHz	1,609 W
100 MHz	1,149 W
200 MHz	894 W
400 MHz	619 W
700 MHz	447 W
900 MHz	393 W
1,000 MHz	366 W

Related Products

RELATED PRODUCTS	
Non-Plenum Number	98G8
BNC Crimp	CN-BM2598G8

Part Numbers

Part Numbers	
2598G8BK1000	Black Jacket 1000ft Wooden Reel