

Detailed Specification & Technical Data



9868

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

RF 50 Ohm Video, Wireless Mic Distribution

Construction & Dimenstions

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 Polyethylene
Insulation Thi kness	0.286 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	PVC
Nominal Cable O.D.	0.405 in
Plenum	No
NEC UL Rating	CM
RoHS Compliant	Yes
Pull Tension	300 lbs
Bend Radius	4.05 in
Cable Weight	107 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	
Nominal Velocity of Propagation (VP)	84 %
Delay Skew	1.2 ns/ft
UL Flammability	UL1685
Operating Range	-40 to 75 Deg C
UL Voltage Rating	600

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Attenuation Performance

Frequency (MHz)	Attenuation (db/100ft)
1 MHz	0.1
10 MHz	0.5 db/100ft
50 MHz	1 db/100ft
100 MHz	1.4 db/100ft
200 MHz	1.8 db/100ft
400 MHz	2.6 db/100ft
650 MHz	3.4 db/100ft
900 MHz	4.1 db/100ft
1000 MHz	4.4 db/100ft
1800 MHz	6.1 db/100ft
2500 MHz	7.5 db/100ft
3000 MHz	8.3 db/100ft
4000 MHz	9.9 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
1,500 MHz	293 W
1,800 MHz	264 W
2,000 MHz	248 W
2,500 MHz	215 W
3,000 MHz	194 W
4,000 MHz	163 W

Related Products

RELATED PRODUCTS	
Plenum Number	2598G8
BNC Crimp	CN-BM98G8

Part Numbers

Part Numbers	
98G8BK1000	Black Jacket 1000ft Wooden Reel