

Detailed Specification & Technical Data



807X

RG8X/U 16AWG 50Ohm Coaxial Cable CM Rated

RF 50 Ohm Video, Wireless Mic Distribution

Construction & Dimensions

CONDUCTOR PARAMETERS	
Number Of Conductors	1
AWG Size	16
Conductor Stranding	19x29
Conductor Type	Bare copper
Nominal DCR	4.3 Ohm/1000ft
INSULATION PARAMETERS	
Insulation Type	Foam Polyethylene
Insulation Thickness	0.155 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.	0.242 in
Plenum	No
NEC UL Rating	CM
RoHS Compliant	Yes
Bend Radius	2.42 in
Cable Weight	38 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	
Nominal Velocity of Propagation (VP)	82 %
Delay Skew	1.2 ns/ft
UL Flammability	UL1685
Operating Range	-20 to 60 Deg C
UL Voltage Rating	300

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Attenuation Performance

Frequency (MHz)	Attenuation (db/100ft)
1 MHz	0.3 db/100m
10 MHz	0.9 db/100m
50 MHz	2.1 db/100m
100 MHz	3.1 db/100m
200 MHz	4.5 db/100m
400 MHz	6.6 db/100m
900 MHz	10.7 db/100m
1000 MHz	11.2 db/100m

Power Rating

Frequency [MHz]	Max Power Rating [W]
10 MHz	1,000 W
50 MHz	370 W
100 MHz	250 W
200 MHz	190 W
400 MHz	110 W
700 MHz	75 W
1,000 MHz	60 W

Related Products

RELATED PRODUCTS	
BNC Crimp	CN-BM53-8X

CATALOG PART NUMBERS	
807XBK1000	BLACK JACKET 1000FT PUT UP - WOODEN REEL