

Technical Specifications



808XWB

RG8X RF240 15AWG 50Ohm Outdoor

CONSTRUCTION & DIMENSIONS	Coaxial
CONDUCTOR PARAMETER	-
• Number of Conductors	1
• AWG Size	15
• Conductor Stranding	Solid
• Conductor Type	Bare Copper
• Nominal DCR	3.2 Ohms/1000ft
• RG Size	RG8X - RF240
INSULATION PARAMETER	-
• Insulation Type	PE - Polyethylene (Foam)
• Insulation Thickness	0.15
SHIELDING PARAMETER	-
• Shield Type	100% Tape Tri-Laminate (Alum+Poly+Alum)
• Shield Type 2	95% Tinned Copper Braid
ELECTRICAL CHARACTERISTICS	-
• Nominal Impedance	50 Ohms
• Nom. Cap. Between Conductors	23pf/ft
• Nom. Vel. Of Prop	85%
OVERALL CONSTRUCTION PARAMETERS	-
Jacket Type	Polyethylene
Nominal Cable O.D.	0.24
Plenum	No
NEC UL Rating	None
RoHS Compliant	-
Pull Tension	69bs/f
Bend Radius	2.4 Inches
Cable Weight	35 lbs

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	-
UL Flammability	None - Outdoor Water Exposure
Operating Range	Neg.20 to 75 Deg. C.
UL Voltage Rating	300

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Part Numbers	
808XWBBK1000	Black - 1000ft Put-UP
Non - Plenum Part	807X
BNC Male Connector	CN-BM53-8X

Attenuation	
Frequency	Nom. Attenuation (dB/100ft.)
30 Mhz	1.37
50 Mhz	1.8
150 Mhz	3.1
220 Mhz	3.7
450 Mhz	5.4
900 Mhz	7.8
1500 Mhz	10.2
1800 Mhz	11.2
2000 Mhz	11.9
2500 Mhz	13.4
3000 Mhz	14.7
3500 Mhz	15.9
4500 Mhz	18.2
5800 Mhz	20.8
6000 Mhz	21.2

Power Rating	
Frequency	Max. Power Rating (W)
30 Mhz	1526
50 Mhz	1186
150 Mhz	673
220 Mhz	556
450 Mhz	382
900 Mhz	286
1500 Mhz	205
1800 Mhz	177
2000 Mhz	156
2500 Mhz	100
3000 Mhz	116
3500 Mhz	100
4500 Mhz	116
5800 Mhz	102
6000 Mhz	100
VSWR	
Frequency (Mhz)	Max VSWR
5 - 6000Mhz	1.25:1