



Part Number: RG8X-LL

Description: 50 Ohm Low Loss Flexible Coax

Physical Characteristics:

Center Conductor: 16 AWG 19/29 Bare Copper .056" nom OD
Dielectric Layer: Gas-Injected Foamed Polyethylene .154" nom OD
1st Shield Layer: Aluminum/Polyester/Aluminium 100% Coverage
2nd Shield Layer: 34 AWG Tinned Copper Braid 95% min Coverage
Jacket: Black Sunlight Resistant PVC .240" +/- .008" OD
Print Legend: RG8X-LL 50 OHM LOW LOSS FLEXIBLE COAX BY DAVIS RF / DIV OF ORION WIRE
Temperature Rating: -20C to +80C
Min Bend Radius: 1"
Cable Weight: 35 lbs / 1,000 ft nominal
Max Pulling Tension: 75 lbs
RoHS Compliant: Yes (2002/95/EC)

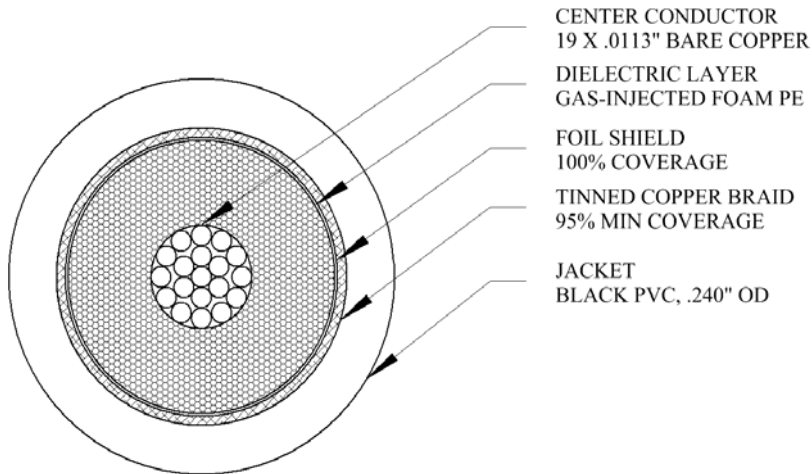
Electrical Characteristics:

Impedance: 50 Ohms nom.
Capacitance: 24.8 pF/FT nom.
Velocity of Propagation: 82% nom
Operating Voltage: 150 Vrms
Maximum Voltage Capacity: 300 Vrms

Attenuation & Power Rating

<u>Frequency (MHz)</u>	<u>Nominal dB / 100 FT</u>	<u>Avg Power Watts</u>
10	1.1	1,200
50	2.2	960
400	6.0	310
700	8.0	250
900	9.1	220
1,000	9.6	170
2,000	13.5	140
3,000	17.1	125

Reference Diagram



Engineering Specification

All of the statements, illustrations, technical information, and recommendations contained herein are based on information Davis RF believes to be reliable, but the accuracy or the completeness thereof or the suitability of the product described herein for a particular application or use is not guaranteed, and this disclaimer is made in lieu of all warranties expressed or implied.

Title:

RG 8X - 50 Ohm Low Loss Flexible Coax

Spec. No.:

07-200153

Rev:

--

Page:

1 of 1

Davis RF

PO Box 370
 N. Haverhill, NH 03774
 Phone: (603) 787-2200
 E-mail: info@davisrf.com

Revisions

Rev.	ECO#	Date
-	Initial Release	21-Dec-07
A	Eng Review	14-Dec-10
B	Atten. Review	27-Jun-12

Approved by:

Engineering:	Title:	Date
Kyle Jensen	Sales Eng.	27-Jun-12
Reviewed by:	Title:	Date
Jeff Stimson	President	27-Jun-12