



**Part Number:** RG8X

**Description:** 50 Ohm Coax, Black PVC IIA Jacket

**Physical Characteristics:**

**Center Conductor:** 16 AWG 19/29 Bare Copper, .058" nom OD

**Dielectric Layer:** Foamed Polyethylene, .155" nom OD

**Shield Type:** Bare Copper Braid, 95% coverage

**Jacket:** Black PVC Type IIA (Non-contaminating), .242" nom OD

**Print Legend:** DAVIS RF / DIV OF ORION WIRE -- RG 8X 16 AWG RU AWM 1354 Exxxxxx  
(Where Exxxxx is replaced with factory ID number.)

**Temperature Rating:** -20C to +80C (limited to +60C if used in accordance with UL AWM 1354)

**Min Bend Radius:** 2.4"

**Cable Weight:** 35 lbs / 1,000 ft nominal

**Max Pulling Tension:** 75 lbs

**Agency Approvals:** UL AWM Style 1354 60C

**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 (30 Vrms if used in accordance with UL AWM 1354)

**Maximum Voltage Capacity:** 300 Vrms

Attenuation:	MHz	dB/100 FT
	10	1.1
	50	2.6
	100	3.7
	200	5.4
	400	8.0
	700	11.1
	900	12.6
	1,000	13.3

**Engineering Specification**

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Title:

**RG 8X - 50 Ohm Coax**

Spec. No.:

**09-200226**

Rev: --

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**Revisions**

Rev.	ECO#	Date
-	Factory Rev.	3-Jun-99
B	Add IIA Info	2-Dec-11
C	Atten. Review	27-Jun-12

**Approved by:**

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