

Part Number: RG8X

Description: 50 Ohm Coax, Black PVC 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, .242" nom OD

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	Power Rating
	10	0.9	1,000 Watts
	50	2.1	370 Watts
	100	3.1	250 Watts
	200	4.5	190 Watts
	400	6.6	110 Watts
	700	9.1	75 Watts
	900	10.7	65 Watts
	1,000	11.2	60 Watts

Engineering Specification

Title:

RG 8X - 50 Ohm Coax

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Revisions

Approved by: