

7806A Coax - Low Loss 50 Ohm Wireless



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

RG-58 Type 19 AWG solid .037" bare copper, gas-injected foamed high density Polyethylene insulation, Duofoil® + 90% tinned copper braid shield, Polyethylene jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58/U
AWG	19
Stranding	Solid
Conductor Diameter	.037 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	.110 in.

OUTER SHIELD:

Outer Shield Type	Tape/Braid
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Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	Tinned Copper	90

OUTER JACKET:

Outer Jacket Material	PE - Polyethylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.195 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
Temperature Rating	80°C
Bulk Cable Weight	22 lbs/1000 ft.
Max. Recommended Pulling Tension	28 lbs.

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Min. Bend Radius (Install) 0.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

SUITABILITY:

Suitability - Outdoor	Y
Suitability - Aerial	Y
Suitability - Burial	Y

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.064 μ H/ft
Nom. Capacitance Conductor to Shield	24.3 pF/ft
Nominal Velocity of Propagation	77 %
Nominal Delay	1.27 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	7.6 Ohms/1000 ft
Nominal Outer Shield DC Resistance	4.2 Ohms/1000 ft

Maximum VSWR :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Maximum VSWR
		5	6000	1.25:1

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	30			2.0
	50			2.5
	150			4.0
	220			4.9
	450			7.1
	900			10.3
	1500			13.7
	1800			15.2
	2000			16.1
	2500			18.3
	3000			20.5
	4500			26.5
	5800			31.2
	6000			32.0

Max. Power Rating :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	30			890
	50			694
	150			403
	220			336
	450			231
	900			162
	1500			124
	1800			113
	2000			107
	2500			95
	3000			87
	3500			80
	4500			70
	5800			62
	6000			61

Max. Operating Voltage - Non-UL

300 V RMS

Other Electrical Characteristic 1

Mates with standard RG-58 connectors

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
7806A 0101000	RF195 WIRELESS 50 OHM COAX PE	1000	26	BLACK	C
7806A 010500	RF195 WIRELESS 50 OHM COAX PE	500	14.5	BLACK	C

C = CRATE REEL PUT-UP.

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