

01-28-2016 Rev. 1

**Y63502**

**I. Description:**

Coax, 75 Ohm, Solid Bare Copper Conductor, Dual Tinned Copper Braid, PVC Jacket

**II. Electrical Characteristics:**

Nom. Impedance:	75 Ohms
Nom. Inductance:	0.1 $\mu$ H/ft.
Nom. Capacitance Conductor to Shield:	20.5 pF/ft.
Nom. Velocity of Propagation:	66%
Nom. Delay:	1.54 ns/ft.
Nom. Conductor DC Resistance at 20°C:	72 Ohms/1000 ft.
Nom. Shield DC Resistance at 20°C:	4.2 Ohms/1000 ft.
Max. Operating Voltage:	30 Vrms

Nom. Attenuation:

<u>MHz</u>	<u>dB/100 ft.</u>
5	TBD

**III. Physical Characteristics:**

Conductor

AWG:	28
Material:	Solid Bare Copper
Nom. Diameter:	.012"

Dielectric

Material:	Solid PE
Nom. Diameter:	.077"

Shield

First Layer

Type:	Braid
AWG:	38
Material:	Tinned Copper
Nom. Percent Coverage:	90%

Second Layer

Type:	Braid
AWG:	38
Material:	Tinned Copper
Nom. Percent Coverage:	90%

Jacket

Material:	PVC
Nom. Diameter:	.140"

Operating Temperature Rating: -20°C to +80°C

Nom. Bulk Cable Weight: 16 lbs/1000 ft.

Min. Bending Radius (Install): 1.4"

Max. Recommended Pulling Tension: 30 lbs

RoHS Compliant: Yes

Reference: RS stock number 521-3699 BT3002 coax