

## Preliminary Technical Data Sheet

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 µH/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: dB/100 ft. MHz 5 TBD **III. Physical Characteristics:** Conductor AWG: 28 Material: Solid Bare Copper Nom. Diameter: .012" Dielectric Solid PE Material: 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

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