

Preliminary Technical Data Sheet

08-29-2017 Rev. 0 Quote 1205018, Design A

I. Description:

Composite cable consisting of 1 Coax, 26 AWG and 3 Conductors, 22 AWG, OverallTinned Copper Braid (85%) and TPE Halogen Free Jacket.

II. Electrical Characteristics (Coax):

Nom. Impedance: 75 Ohms
Nom. Capacitance Conductor to Shield: 17.3 pF/ft.
Nom. Velocity of Propagation: 78%
Nom. Delay: 1.3 ns/ft.

Nom. Conductor DC Resistance at 20°C: 41.5 Ohms/1000 ft. Nom. Shield DC Resistance at 20°C: 8.6 Ohms/1000 ft. Min. Structural Return Loss: 25 dB, 10-40 MHz

Max. Operating Voltage: 150 Vrms

Nom. Attenuation:

<u>dB/100 ft</u>
.6
1.3
1.8
3.1
3.9
5.4
7.5
10.4
13.5
15.2
15.9

III. Electrical Characteristics (Conductors):

Nom. Conductor DC Resistance at 20°C: 15.0 Ohms/1000 ft.

Max. Operating Voltage: 300 Vrms

IV. Physical Characteristics (Coax):

Conductor

AWG: 26

Stranding: 19x38 AWG
Material: BC - Bare Copper

Nom. Diameter: .021

Dielectric

Material: Gas Injected Foam PE

Nom. Diameter: .089"

Shield

Type: Braid

Material: TC - Tinned Copper

Nom. Percent Coverage: 95%

Jacket

Material: PP - Polypropylene

Nom. Diameter: .143"

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PENG: cwc



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V. Physical Characteristics (Conductors):

AWG: 22

Stranding: 7x30 AWG

Conductor Material: TC - Tinned Copper Insulation Material: PVC - Polyvinyl Chloride

Nom. Diameter: .050"

VI. Overall:

Cable is 1 Coax Plus 3 X 22 AWG Conductors (Black, Red, Orange)

Shield

Type: Braid

Material: TC - Tinned Copper

Nom. Percent Coverage: 85%

Jacket

Material: TPE Halogen Free

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

Nom. Overall Diameter: .236"
Min. Bending Radius (Install): 2.4"
Max. Recommended Pulling Tension: 50 lbs
RoHS Compliant: Yes