

9-17-2014 Rev. 0

Quote 1079429B Item 3

I. Description:

Composite Cable, 75 Ohm Coax, 3 Conductors 18 AWG Stranded PVC, Overall Shield, Overall PVC Jacket

II. Electrical Characteristics:

Coax

Nom. Impedance:	75 Ohms
Nom. Inductance:	0.106 μ H/ft.
Nom. Capacitance Conductor to Shield:	17.4 pF/ft.
Nom. Velocity of Propagation:	77%
Nom. Delay:	1.32 ns/ft.
Nom. Conductor DC Resistance at 20 Degrees C:	70.5 Ohms/1000 ft.
Nom. Shield DC Resistance at 20 Degrees C:	8.0 Ohms/1000 ft.
Max. Operating Voltage:	300 Vrms (non-UL)

Nom. Attenuation:

<u>MHz</u>	<u>dB/100 ft.</u>
1	1.18
10	2.39
67.5	5.89
100	6.89
180	8.93
360	12.5
540	15.4
750	18.3
1000	21.3

Conductors

Nom. Conductor DC Resistance at 20 Degrees C:	5.8 Ohms/1000 ft.
Max. Operating Voltage:	30 Vrms (non-UL)

III. Physical Characteristics:

Coax

Conductor

AWG:	28.5
Stranding:	Solid
Material:	Bare Copper
Nom. Diameter:	.0122"

Dielectric

Material:	Foamed PE
Nom. Diameter:	.056"

Shield

First Layer

Type:	Tape
Material:	Al/poly/Al
Coverage:	100%

Second Layer

Type:	Braid
Material:	Tinned Copper
Coverage:	95%

Jacket

Material: PVC
Nom. Diameter: .100"

Conductors

Conductor

AWG: 18
Stranding: 19x
Strand AWG: 30
Material: Tinned Copper
Nom. Diameter: .044"

Insulation

Material: PVC
Nom. Diameter: .080"

Color Code: Blk, Red, Wht

Overall Cable

Cabling: 3 Conductors around 1 Coax

Separator tape: Non-woven polyester

Shield

Type: Tape
Material: Al/poly
Coverage: 100%

Drain Wire

AWG: 24
Stranding: 7x
Strand AWG: 32
Material: Tinned Copper
Nom. Diameter: .024"

Jacket

Material: PVC
Nom. Diameter: .246"
Operating Temperature Rating: -20 to +75 Degrees C
Nom. Bulk Cable Weight: 42 lbs/1000 ft.
Min. Bending Radius (Install): 2.5"
Max. Recommended Pulling Tension: 18 lbs
RoHS Compliant: Yes

Reference: 179DT coax