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please call

1-800-Belden1



### Description:

RG-6/U Type, 18 AWG solid bare copper-covered steel, foam Polyethylene insulation, Duobond® IV Quad Shield, inner PVC Jacket, continuously corrugated aluminum armor, outer PVC jacket.

### Usage (Overall)

**Suitable Applications:** Industrial Data Solutions®, Industrial Coax, ControlNet™ Quad Shielded Coax

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

#### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.180

#### Inner Jacket

**Inner Jacket Material:**

Inner Jacket Material
PVC - Polyvinyl Chloride

#### Outer Shield

**Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Poly Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Armor

**Armor Type:** Continuously Corrugated

**Armor Material:** Aluminum

**Diameter over Armor:** .460

#### Overall Cable

**Overall Nominal Diameter:** 0.570 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -30°C To +75°C

**Max. Recommended Pulling Tension:** 162 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 6.850 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CM

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 10/1/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

RG Type: 6/U

### Flame Test

UL Flame Test: UL1685 UL Loading

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/ft)

.097

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.2

### Nominal Velocity of Propagation:

VP (%)

82

### Nominal Delay:

Delay (ns/ft)

1.28

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

28.0

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.6

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	.35
2	.38
5	.45
10	.59
20	.86

50	1.37
100	1.97
200	2.82
300	3.48
400	4.04

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	50	23

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
183092A 0102000	2,000 FT	306.000 LB	BLACK	C Z	ARMORED COAX PVC

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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