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please call

1-800-Belden1



### General Description:

23 AWG solid bare copper conductors, bonded pair PP insulation, FRNHPO spline center member, inner FRNHPO jacket, overall Beldfoil® Shield (100% coverage), FRNHPO jacket, FRNHPO overall jacket, sequential footage marking every two feet.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	4.572

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	AL - Aluminum	60.000
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
4		Braid	AL - Aluminum	60.000

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
LSZH- Low Smoke Zero Halogen

#### Overall Cable

Overall Nominal Diameter: 7.620 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 52.087 Kg/Km

Max. Recommended Pulling Tension: 720.608 N

Min. Bend Radius/Minor Axis: 76.200 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CMG-LS

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

IEEE Specification: 45

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	09/16/2014
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
Other Specification:	ABS Type Approval Certificate 13-HS1092993
RG Type:	6/U

### Flame Test

UL Flame Test:	UL1685 FT4 Loading, Limited Smoke
C(UL) Flame Test:	FT4
IEC Flame Test:	60332-3-22 (Category A)
IEEE Flame Test:	1202

### Suitability

Sunlight Resistance:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	3093A

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/m)

0.318257

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.1522

### Nominal Velocity of Propagation:

VP (%)

82

### Nominal Delay:

Delay (ns/m)

4.19968

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

91.868

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

11.8116

### Nom. Attenuation:

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

1	1.14835
2	1.24678
5	1.47645
10	1.93579
20	2.82166

## 3092T Coax - ControlNet™ Quad Shielded Coax

50	4.49497
100	6.46357
200	9.25242
300	11.4179
400	13.2552

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Minimum Structural Return Loss:**

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3092T 0105000	5,000 FT	190.000 LB	BLACK		#18 GIFHDLPE DBSH TPNH

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