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1-800-Belden1



### General Description:

18 AWG solid bare copper-covered steel conductor, foam polyethylene insulation, Duobond® IV Quad Shield (100% coverage), PVC Jacket.

### 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
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

#### Overall Cable

Overall Nominal Diameter: 7.569 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 49.111 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: CL2R, CMG, CMR

CEC/(UL) Specification: CMG

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

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): 01/01/2004

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: UL1666 Vertical Shaft

### Suitability

Sunlight Resistance: Yes

### 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
50	4.49497
100	6.46357
200	9.25242
300	11.4179
400	13.2552

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Minimum Structural Return Loss:

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

### Notes (Overall)

Notes: CPE jacket or LSZH jacket also available as special products.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3092A X7E1000	1,000 FT	41.000 LB	BLUE X7E	C	#18 GIFHDLDPPE DBSH PVC
3092A X7E2000	2,000 FT	82.000 LB	BLUE X7E	C	#18 GIFHDLDPPE DBSH PVC
3092A X7E500	500 FT	20.500 LB	BLUE X7E		#18 GIFHDLDPPE DBSH PVC
3092A X7E5000	5,000 FT	205.000 LB	BLUE X7E		#18 GIFHDLDPPE DBSH PVC
3092A 0021000	1,000 FT	41.000 LB	RED	C	#18 GIFHDLDPPE DBSH PVC
3092A 0101000	1,000 FT	41.000 LB	BLACK	C	#18 GIFHDLDPPE DBSH PVC
3092A 01010000	10,000 FT	430.000 LB	BLACK		#18 GIFHDLDPPE DBSH PVC
3092A 0102000	2,000 FT	82.000 LB	BLACK	C	#18 GIFHDLDPPE DBSH PVC

## METRIC MEASUREMENT VERSION

### 3092A Coax - ControlNet™ Quad Shielded Coax

3092A 0102500	2,500 FT	100.000 LB	BLACK	C	#18 GIFHDLPE DBSH PVC
3092A 010500	500 FT	20.500 LB	BLACK		#18 GIFHDLPE DBSH PVC
3092A 0105000	5,000 FT	205.000 LB	BLACK		#18 GIFHDLPE DBSH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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