# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 1855S6 Coax - Bundled Miniature

For more Information please call

1-800-Belden1



### **General Description:**

23 AWG solid .023" bare copper conductors, gas-injected foam HDPE insulation, Duofoil® (100% coverage) plus a tinned copper braid shield (95% coverage), individual PVC jackets.

6

## **Physical Characteristics (Overall)**

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
6	23	Solid	BC - Bare Copper	.023

Total Number of Conductors:

#### Insulation

#### Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.102

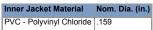
#### **Inner Shield**

#### Inner Shield Material:

Layer #	Inner Shield Trade Name	Туре	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

#### Inner Jacket

#### Inner Jacket Material:



#### Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow
6	Brown

#### **Outer Jacket**

#### Outer Jacket Material:



**Overall Cabling Fillers:** 

#### Overall Cable

Me

Overall Nominal Diameter:	0.477 in.
echanical Characteristics (Overall)	
Operating Temperature Range:	-35°C To +75°C

Bonded Spline

# UL Temperature Rating: 60°C Non-UL Temperature Rating: 75°C Bulk Cable Weight: 114 lbs/1000 ft. Max. Recommended Pulling Tension: 216 lbs. Min. Bend Radius/Minor Axis: 6 in.

## Applicable Specifications and Agency Compliance (Overall)

#### **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG

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### 1855S6 Coax - Bundled Miniature

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:	Mini	
Applicable Patents:		
Country		
www.belden.com/p		
ame Test		
UL Flame Test:	UL1666 Vertical Shaft	
uitability		
Suitability - Indoor:	Yes	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

#### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.5

Nominal Velocity of Propagation:

**VP (%)** 83

Nominal Delay:

Delay (ns/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 20.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 7.6

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
3.6	0.8
10	1.2
71.5	3.1
135	3.8
270	5.4
360	6.2
540	7.7
720	9.1
750	9.5
1000	10.5
1500	13.0
2500	16.9
3000	18.5

Max. Operating Voltage - UL:

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Voltage 300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge

Other Electrical Characteristic 2:

Return Loss Tested in Accordance With ASTM D-4566 Paragraph 45.3, Using a 75 Ohm Fixed Bridge and

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5	625	20
625	675	15
675	850	20
850	4500	15

#### **Sweep Test**

Sweep Testing:

Sweep tested 5 MHz to 4.5 GHz.

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1855S6 0001000	1,000 FT	121.000 LB	NONE	С	BONDED FILLER COMPOSITE
1855S6 000500	500 FT	64.000 LB	NONE	С	BONDED FILLER COMPOSITE

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 02-28-2014

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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