



**Part Number: 3092T**

ControlBus™, Coax RG6, #18 Sol BCCS, PO Ins, QUAD AL Shld, LSZH Jkt, CMG

[Request Sample](#)

**Product Description**

ControlBus™, Coax RG6 18AWG (Solid) Bare Copper Covered Steel, PO Insulation, Overall Duofoil®+ Aluminum Braid(60%)+Overall Duofoil®+Aluminum Braid(40%) Shield, LSZH Outer Jacket, CMG

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BCCS - Bare Copper Covered Steel	0.0403 in	1

Conductor Count: 1

**Insulation**

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.178 in

**Outer Shield Material**

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		60 %
Tape	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	4	AL - Aluminum		60 %

**Outer Jacket Material**

Material	Nominal Diameter
FRPO - Fire Retardant Polyolefin	0.3 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Outer Conductor DCR
28 Ohm/1000ft	3.6 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Shield
16.2 pF/ft

**Inductance**

Nominal Inductance
0.097 µH/ft

**Impedance**

Nominal Characteristic Impedance
100 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
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1 MHz	0.35 dB/100ft
2 MHz	0.38 dB/100ft
5 MHz	0.45 dB/100ft
10 MHz	0.59 dB/100ft
20 MHz	0.86 dB/100ft
50 MHz	1.37 dB/100ft
100 MHz	1.97 dB/100ft
200 MHz	2.82 dB/100ft
300 MHz	3.48 dB/100ft
400 MHz	4.04 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.25 ns/ft	82 %

#### Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	SRL Min. 23dB (5MHz - 50MHz)
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#### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	35 lbs/1000ft
Max Recommended Pulling Tension:	162 lbs
Min Bend Radius/Minor Axis:	3.0 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CL2, CMG
CEC/C(UL) Specification:	CMG
RG Type:	6/U Type
Other Specification:	ABS Type Approval Certificate 13-HS1092993

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2014-09-16
CA Prop 65 (CJ for Wire & Cable):	Yes

#### Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT4
ISO/IEC Flammability:	60332-3-22 (Category A)
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

#### Part Number

#### Variants

Item #	Color	UPC
3092T 0105000	Black	612825141433

#### History

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