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1-800-Belden1



### General Description:

30 AWG stranded (7x38) .012" tinned copper conductors, plenum, foam FEP insulation, tinned copper "French braid" shield (95% coverage), Flamarrest® jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
2	30	7x38	TC - Tinned Copper	0.3048

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	1.3462

#### Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
French Braid	TC - Tinned Copper	95.000

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 2.718 x 5.461 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 53.378 N

Min. Bend Radius/Minor Axis: 25.400 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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): 12/01/2005

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

#### Flame Test

UL Flame Test: NFPA 262

CSA Flame Test:	FT6
<b>Suitability</b>	
Suitability - Indoor:	Yes
<b>Plenum/Non-Plenum</b>	
Plenum (Y/N):	Yes
Non-Plenum Number:	1807A

## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**  
75.000

**Nom. Inductance:**

**Inductance (µH/m)**  
0.318257

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/m)**  
56.7613

**Nominal Velocity of Propagation:**

**VP (%)**  
78

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/km)**  
328.1

**Nom. Inner Shield DC Resistance:**

**DCR @ 20°C (Ohm/km)**  
24.6075

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	2.2967
5	5.5777
10	7.5463
30	13.4521
50	17.3893
100	24.9356
200	38.7158
400	57.7456
700	79.4002
900	91.868
1000	97.7738

**Max. Operating Voltage - UL:**

**Voltage**  
300 V RMS

**Max. Operating Voltage - Non-UL:**

**Voltage**  
300 V RMS

## Notes (Overall)

**Notes:** Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7700A B591000	1,000 FT	21.000 LB	BLACK, MATTE	C	2#30 FPFASRVFLRSTPARA
7700A B59500	500 FT	11.500 LB	BLACK, MATTE		2#30 FPFA SRV FLRST PARA

**Notes:**

C = CRATE REEL PUT-UP.

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