



**Product:** [DAS300P](#)

Distributed Antenna System 13 AWG BC Coax, CMP

## Product Description

DAS 13 AWG solid .072" bare copper conductor, foamed FEP insulation, Duofoil® + tinned copper braid shield (95% coverage), CMP rated, low smoke PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	Distributed Antenna System
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
13	Solid	BC - Bare Copper	0.072 in	1

#### Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.190 in

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		95%

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.259 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
2.0 Ohm/1000ft	2.2 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
23.0 pF/ft

#### Inductance

Nominal Inductance
0.060 µH/ft

#### Impedance

Nominal Characteristic Impedance
50 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.20 dB/100ft
5 MHz	0.40 dB/100ft
10 MHz	0.60 dB/100ft
50 MHz	1.30 dB/100ft
100 MHz	1.90 dB/100ft
200 MHz	2.80 dB/100ft
400 MHz	4.10 dB/100ft
700 MHz	5.60 dB/100ft
900 MHz	6.50 dB/100ft
1000 MHz	6.90 dB/100ft
1500 MHz	8.90 dB/100ft
2000 MHz	10.50 dB/100ft
2250 MHz	11.30 dB/100ft
3000 MHz	13.40 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.18 ns/ft	86%

#### Voltage

UL Voltage Rating
300V RMS

#### VSWR

Frequency [MHz]	Max. VSWR
5 - 3000 MHz	1.25:1

#### Temperature Range

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

#### Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	56 lbs/1000ft
Max. Pull Tension:	130 lbs
Min Bend Radius/Minor Axis:	2.6 in

#### Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	N/A

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
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):	2005-04-01

#### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Suitability - Sunlight Resistance:	No
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## Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
DAS300P 010500	Black	Reel	500 ft	612825285090
DAS300P 0101000	Black	Reel	1,000 ft	612825285083

## History

Update and Revision:	Revision Number: 0.58 Revision Date: 09-30-2020
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