



Product: [DAS6P](#)

Distributed Antenna System RG6 Type BC Coax, CMP

Product Description

DAS RG-6 type, 18 AWG solid .040" bare copper conductor, foamed FEP insulation, Duobond® II foil shield + tinned copper braid shield (85% 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
18	Solid	BC - Bare Copper	0.040 in	1

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.168 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Duobond® II	100.0 %
Braid	2	TC - Tinned Copper		85.0 %

Outer Jacket Material

Material	Nominal Diameter
PVC-LS - Polyvinyl Chloride (Low Smoke)	0.233 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
6.4 Ohm/1000ft	3.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.1 pF/ft

Inductance

Nominal Inductance
0.103 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5 - 3000 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
5 MHz	0.55 dB/100ft
10 MHz	0.75 dB/100ft
50 MHz	1.50 dB/100ft
100 MHz	2.10 dB/100ft
200 MHz	3.00 dB/100ft
400 MHz	4.30 dB/100ft
700 MHz	6.00 dB/100ft
900 MHz	6.90 dB/100ft
1000 MHz	7.30 dB/100ft
1500 MHz	9.20 dB/100ft
2000 MHz	10.90 dB/100ft
2250 MHz	11.60 dB/100ft
3000 MHz	13.70 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82.0 %

Voltage

UL Voltage Rating
300V RMS

Electrical Characteristics Notes:	Return Loss: Fixed bridge and termination
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Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-35°C To +75°C

Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	34 lbs/1000ft
Max Recommended Pulling Tension:	59 lbs
Min Bend Radius/Minor Axis:	2.3 in

Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
RG Type:	6/U Type

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, LS0H, 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

Non-Plenum Number:	DAS11R
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Variants

Item #	Color	Putup Type	Length	UPC
DAS6P 0101000	Black	Reel	1,000 ft	612825285120
DAS6P 0103000	Black	Reel	3,000 ft	612825285137

History

Update and Revision:	Revision Number: 0.45 Revision Date: 04-02-2020
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