



Product: [DAS195P](#)

Distributed Antenna System RG-58 Type BC Coax, CMP

Product Description

DAS RG-58 type, 19 AWG solid .037" bare copper conductor, foamed FEP insulation, Duofoil® + tinned copper braid shield (90% 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
19	Solid	BC - Bare Copper	0.037 in	1

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.110 in

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		90%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.172 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
7.7 Ohm/1000ft	4.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
27.0 pF/ft

Inductance

Nominal Inductance
0.064 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.40 dB/100ft
5 MHz	0.80 dB/100ft
10 MHz	1.10 dB/100ft
50 MHz	2.50 dB/100ft
100 MHz	3.50 dB/100ft
200 MHz	5.20 dB/100ft
400 MHz	7.50 dB/100ft
700 MHz	10.20 dB/100ft
900 MHz	11.70 dB/100ft
1000 MHz	12.40 dB/100ft
1500 MHz	15.60 dB/100ft
2000 MHz	18.40 dB/100ft
2250 MHz	19.70 dB/100ft
3000 MHz	23.30 dB/100ft

Delay

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

Voltage

UL Voltage Rating
300 V RMS

VSWR

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

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

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

Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	27 lbs/1000ft
Max. Pull Tension:	40 lbs
Min. Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	58

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

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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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
DAS195P 010500	Black	Reel	500 ft	612825285052
DAS195P 0101000	Black	Reel	1,000 ft	612825285045

History

Update and Revision:	Revision Number: 0.77 Revision Date: 12-15-2021
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