



Product: [DAS240P](#)

Distributed Antenna System RG-8X Type BC Coax, CMP

Product Description

DAS RG-8X type, 15 AWG solid .057" bare copper conductor, foamed FEP insulation, Bonded Duofoil® + tinned copper braid shield (95% coverage), CMP rated, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	DAS
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	Solid	BC - Bare Copper	0.057 in	1

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	.15 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	.214 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
3.2 Ohm/1000ft	2.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
23.4 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	0.3 dB/100ft
5 MHz	0.5 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.7 dB/100ft
100 MHz	2.4 dB/100ft
200 MHz	3.5 dB/100ft
400 MHz	5.1 dB/100ft
700 MHz	7.0 dB/100ft
900 MHz	8.0 dB/100ft
1000 MHz	8.5 dB/100ft
1500 MHz	10.8 dB/100ft
2000 MHz	12.8 dB/100ft
2250 MHz	13.7 dB/100ft
3000 MHz	16.3 dB/100ft

Delay

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

Voltage

UL Voltage Rating
300 VRMS

VSWR

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

Temperature Range

Operating Temp Range:	-20°C to + 75°C
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Mechanical Characteristics

Bulk Cable Weight:	37 lbs/1000ft
Max. Pull Tension:	69 lbs
Min Bend Radius/Minor Axis:	2.2 in

Standards

NEC/(UL) Compliance:	CMP
RG Type:	RG-8X Type

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2013-04-30

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	DA7808R
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Variants

Item #	Color	Putup Type	Length	UPC
DAS240P 010500	Black	Reel	500 ft	612825285076
DAS240P 0101000	Black	Reel	1,000 ft	612825285069

History

Update and Revision:	Revision Number: 0.62 Revision Date: 09-30-2020
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