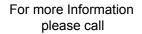
Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

7806R Coax - RG-58 Type



1-800-Belden1



Description:

RG-58 type, 19 AWG solid .037" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® (100% coverage) + tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)		-	
Conductor			
AWG:			
# Coax AWG Stranding Conductor Material Dia. (mm 1 19 Solid BC - Bare Copper 0.9398			
Insulation	1		
Insulation Material:			
	Dia. (mm)		
Gas-injected FHDPE - Foam High Density Polyethylene	2.794		
Outer Shield Outer Shield Material:			
Layer # Outer Shield Trade Name Type Outer Shield	Material	Coverage (%)	
	I-Polyester Tape-Aluminum Foil		
2 Braid TC - Tinned C	copper	90	
Outer Jacket			
Outer Jacket Material:			
Outer Jacket Material PVC - Polyvinyl Chloride			
Overall Cabling Overall Nominal Diameter:	4.953 mm		
Mechanical Characteristics (Overall)			
Operating Temperature Range:	-40°C To +75°C		
UL Temperature Rating:	80°C		
Bulk Cable Weight:	38.693 Kg/Km		
Max. Recommended Pulling Tension:	177.928 N		
Min. Bend Radius (Install)/Minor Axis:	48.260 mm		
Applicable Specifications and Agency Con	pliance (Overall)		
Applicable Standards & Environmental Progra			
NEC/(UL) Specification:	CMR		
CEC/C(UL) Specification:	CMG		
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):	01/01/2004		
EU Directive 2002/96/EC (WEEE):	Yes		

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7806R Coax - RG-58 Type

	a officia 2002/11/EC (BE	D).	Vaa	
	ective 2003/11/EC (BF		Yes	
		•	Yes	
	ler #39 (China RoHS):			
RG Typ			58/U	
Series			RF 195	
Flame Tes	st			
UL Flai	me Test:		UL1666 Vertical Shaft	
CSA FI	ame Test:		FT4	
Suitability	1			
Suitabi	ility - Indoor:		Yes	
Suitabi	ility - Outdoor:		Yes	
Suitabi	ility - Aerial:		Yes - When supported by a messenger	
Plenum/N	on-Plenum			
	n (Y/N):		No	
	Characteristics (
	acteristic Impedance:			
Impedance 50	ce (Ohm)			
Nom. Induc				
Inductano 0.209984	ce (µH/m)			
	citance Conductor to	Shield		
	nce (pF/m)	Silleiu.		
79.7283				
Nominal Ve	elocity of Propagation			
VP (%)	loony of Fropagation	•		
77				
Nominal De	elay:			
Delay (ns	-			
4.16687				
Nom. Cond	luctor DC Resistance:			
_	0°C (Ohm/km)			
24.9356				
Nominal Ou	uter Shield DC Resista	ance:		
DCR @ 20	0°C (Ohm/km)			
Maximum \				
Description	on Freq. (MHz) Start Free 5	6000	1.25:1	
Nom. Atten		1		
	Iz) Attenuation (dB/100m	0		
30	6.562			
50	8.2025			
150	13.124			
220 450	16.0769 23.2951	_		
450 900	33.7943	_		
1500	44.9497	-		
1300				
1800 2000	49.8712 52.8241			

Detailed Specifications & Technical Data





7806R Coax - RG-58 Type

2500	60 0423
2500	00.0423
3000	67.2605
4500	86.9465
4500	00.9405
5800	102.367
0000	101.000
6000	104.992

Max. Power Rating:

Freq. (MHz)	Rating (W)
30	890
50	694
150	403
220	336
450	231
900	162
1500	124
1800	113
2000	107
2500	95
3000	87
3500	80
4500	70
5800	62
6000	61

Max. Operating Voltage - UL:

Voltage

300 V RMS

Notes (Overall)

Notes: 100% Sweep tested. 6 GHz. Belden® The Wire in Wireless®

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7806R 0101000	305 MT	12.247 KG	BLACK	С	RF195 WIRELESS 500HM COAXFRPVC
7806R 010500	152 MT	7.484 KG	BLACK	С	RF195 WIRELESS 500HM COAXFRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-30-2009

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