Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5439W5 Coax - CCTV, CATV and MATV Applications

For more Information please call

1-800-Belden1



Description:

20 AWG bare copper conductor, foam polyethylene insulation, Duobond® shield (100% coverage) plus a tinned copper braid shield (95% coverage), Coreguard® flooding grease, PVC jacket. Sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: Low Voltage, Sunlight Resistant, Moisture Resistant, CCTV, Surveillance,

CATV, MATV

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.145

Outer Shield

Outer Shield Material:

L	.ayer#	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1		Duobond®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2	2		Braid	TC - Tinned Copper	95

Outer Shield Flooding Grease: Coreguard®

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.236 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C		
Non-UL Temperature Rating:	75°C		
Bulk Cable Weight:	30 lbs/1000 ft.		
Max. Recommended Pulling Tension:	57 lbs.		
Min. Bend Radius (Install)/Minor Axis:	2.500 in.		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM	
NEC Articles:	800	
CEC/C(UL) Specification:	CM	

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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
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
Flame Test	
UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT1
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



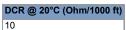
Nominal Velocity of Propagation:



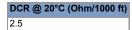
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.29
5	.63
10	.87
50	1.70
100	2.30
200	3.40

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400	4.70	
700	6.30	
900	7.30	
1000	7.80	

Max. Operating Voltage - UL:

300 V RMS

Notes (Overall)

Notes: Can be used for MATV applications. Recommend 1545A or 1546A for CATV applications.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5439W5 010U1000	1,000 FT	34.000 LB	BLACK		#20 PE/GIFHD SH PVC
5439W5 0101000	1,000 FT	34.000 LB	BLACK	С	#20 PE/GIFHD SH PVC
5439W5 010500	500 FT	17.500 LB	BLACK		#20 PE/GIFHD SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 01-07-2011

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