Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION



9077 Coax - CATV Cable

For more Information please call

1-800-Belden1



General Description:

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), PVC jacket.

					NOL.		
-	sical (iducto	Characteristics (Ov r	erall)				
	WG:						
		AWG Stranding Conducto		Dia. (mm)			
	2	18 Solid BCCS - B	are Copper Covered St	teel 1.016			
	Total N	lumber of Conductors:		2			
	ulation sulatio	n Material:					
	Insulat	ion Material	Dia. (mm)				
	Gas-inj	ected FPE - Foam Polyethyle	ene 4.572				
	t <mark>er Shi</mark> o Juter Sh	eld iield Material:					
	Layer #	Vuter Shield Trade Name	Type Outer Shield M	laterial	Coverage (%)		
	1	Bonded Duofoil®	· · ·	um Foil-Polyester Tape-Aluminum Foil	100		
	2		Braid AL - Aluminum		60		
Ove -	erall Ca Overal	able I Nominal Diameter:		6.858 x 14.986 mm			
Mec	hanic	al Characteristics (Overall)				
	Operat	ing Temperature Range	:	-40°C To +80°C			
-	Bulk Cable Weight:			80.363 Kg/Km			
	Max. R	ecommended Pulling Te	ension:	1120.946 N			
	Min. Be	end Radius/Minor Axis:		76.200 mm			
App	licabl	e Specifications an	d Agency Com	pliance (Overall)			
App	olicable	e Standards & Enviro	nmental Progran	is is			
NEC/(UL) Specification:				CATV, CM			
-	CEC/C(UL) Specification:			СМ			
-	EU Dire	ective 2011/65/EU (ROH	S II):	Yes			
	EU CE	Mark:		No			
-	EU Dire	ective 2000/53/EC (ELV)	:	Yes			
	EU Dire	ective 2002/95/EC (RoH	3):	Yes			
-	EU Rol	HS Compliance Date (m	m/dd/yyyy):	01/01/2004			

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	ve 2002/96/EC (WEE	E): Yes	
ELL UMOCTO	ve 2003/11/EC (BFR)	: Yes	
	5 (CJ for Wire & Cat		
MII Order #39 (China RoHS):		Yes	
Series Typ	be:	Series 6	
lame Test			
UL Flame	Test:	UL1685 UL Loading	
Plenum/Non-	-Plenum		
Plenum (Y	//N):	No	
		10	
	naracteristics (O	verall)	
	eristic Impedance:		
Impedance (C 75.000	Dhm)		
Iom. Inductan			
Inductance (µ	uH/m)		
0.318257			
	ance Conductor to S	hield:	
Capacitance	(pF/m)		
53.1522			
Iominal Veloc	ity of Propagation:		
VP (%)			
83 ominal Delay	_		
83 Iominal Delay Delay (ns/m) 3.9372	or DC Resistance:		
83 Iominal Delay Delay (ns/m) 3.9372 Iom. Conduct DCR @ 20°C 91.868	or DC Resistance: (Ohm/km)	ce .	
83 Iominal Delay Delay (ns/m) 3.9372 Iom. Conduct DCR @ 20°C 91.868 Iominal Outer	or DC Resistance: (Ohm/km) r Shield DC Resistan	ce:	
83 Iominal Delay Delay (ns/m) 3.9372 Iom. Conduct DCR @ 20°C 91.868	or DC Resistance: (Ohm/km) r Shield DC Resistan	ce:	
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Max. Operating Voltage - UL:

Voltage 350 V RMS



Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1000.000	20.000
1000.000	2250.000	15.000
2250.000	3000.000	10.000

Sweep Test

Sweep Testing:

Sweep tested 5 MHz to 3 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9077 0101000	1,000 FT	61.000 LB	BLACK		2#18GIFHDLDPE SH FRPVC

Revision Number: 2 Revision Date: 09-24-2012

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