

88281 Coax - Double Braided RG-59/U Type



Description:

20 AWG solid .031" bare copper conductor, plenum, FEP insulation, tinned copper/bare copper braid shield (98% coverage), fluorocopolymer jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	59/U
AWG	20
Stranding	Solid
Conductor Diameter	.032 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Insulation Diameter	.185 in.

OUTER SHIELD:

Outer Shield Type		Braid/Braid			
Outer Shield Material :					
Layer Number	Trade Name	Туре	Material	% Coverage (%)	
1		Braid	TC - Tinned Copper	98	
2		Braid	TC - Tinned Copper	98	
Outer Shield %Covera	ge	98 %			

Outer Shield %Coverage

OUTER JACKET:

OUTER JACKET.				
Outer Jacket Material	PVDF - Fluorocopolymer			
OVERALL NOMINAL DIAMETER:				
Overall Nominal Diameter	.271 in.			
MECHANICAL CHARACTERISTICS:				
Operating Temperature Range	-20°C To +150°C			
UL Temperature Rating	150°C			
Bulk Cable Weight	82 lbs/1000 ft.			



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		5	216	27		
Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)		
Minimum Return Loss :						
Nominal Outer Shield DC Resistance @ 20°C 1.1 Ohms/1000 ft						
Nom. Conductor DC Resistance @ 20 Deg. C 9.9 Ohms/1000 ft						
Nominal Delay		1.43 ns/ft				
Nominal Velocity of Propag		70 %				
Nom. Capacitance Conducto	or to Shield	19.0 pF/ft				
Nom. Inductance	anec	.125 μH/ft				
Nom. Characteristic Impeda		75 Ohms				
ELECTRICAL CHARAG	CTERISTICS:					
Non-Plenum Number		8281				
Plenum (Y/N)		Y				
PLENUM/NON-PLENUM	М:					
Suitability - Burial		Yes				
Suitability - Aerial	Suitability - Aerial		Yes - When supported by a messenger wire			
Suitability - Outdoor		Yes				
Suitability - Indoor		Yes				
SUITABILITY:						
Sweep Testing		100% sweep tested 5 MHz	to 216 MHz.			
SWEEP TEST:						
UL Flame Test		NFPA 262				
FLAME TEST:	· · · · · · · · · · · · · · · · · · ·					
EU RoHS Compliance Date		04/01/2005				
EU CE Mark (Y/N) EU RoHS Compliant (Y/N)		No Yes				
CEC/C(UL) Specification		CMP				
NEC/(UL) Specification		CMP				
APPLICABLE STANDA	KDS:					
APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:						
	CATIONS AND ACENC					
Min. Bend Radius (Install)	g relision	2.75 in.				
Max. Recommended Pulling	g Tension	168 lbs.				

Nom. Attenuation :



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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)	
	1			.2	
	3.6			.5	
	10.0			.8	
	71.5			2.3	
	135			3.3	
	270			5.1	
	360			6.1	
	540			8.0	
	720			9.7	
	750			10.0	
	1000			12.3	
Max. Operating Voltage - U	Max. Operating Voltage - UL		300 V RMS		
Max. Operating Voltage - Non-UL		2900 V RMS			
Other Electrical Characteristic 1		Impedance Tested in Accordance with ASTM D-4566 Paragraph 43.2, Option 2 using a 75 Ohm Fixed Bridge and Termination. 75 +/- 1.5 Ohms			
Other Electrical Characteristic 2			Return Loss Tested in Accordance with ASTM D-4566 Paragraph 45.3, using a 75 Ohm Fixed Bridge and Termination.		

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
	#20 FEP BRD BRD SLF COAX	1000	86	BLACK	C
	#20 FEP BRD BRD SLF COAX	500	44.5	BLACK	C

C = CRATE REEL PUT-UP.

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