

643948 Coax - CCTV Applications

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

20 AWG bare copper conductor, foam FEP insulation, bare copper braid shield, Flamarrest® jacket, sequential footage marking every two feet.

SUITABLE APPLICATIONS:

Suitable Applications	CCTV
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PHYSICAL CHARACTERISTICS:

CONDUCTOR:

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

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.135 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	95 %

OUTER JACKET:

Outer Jacket Material Trade Name	Flamarrest®
Outer Jacket Material	LS PVC - Low Smoke Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.193 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
UL Temperature Rating	75°C

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Bulk Cable Weight	30 lbs/1000 ft.
Max. Recommended Pulling Tension	52 lbs.
Min. Bend Radius (Install)	1.75 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
NEC Articles	800
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.097 μ H/ft
Nom. Capacitance Conductor to Shield	16.1 pF/ft
Nominal Velocity of Propagation	84 %
Nominal Delay	1.21 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2.5 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.29
	3			0.58
	5			0.70
	8			0.87
	10			1.05
	50			1.80
	100			2.7
	200			3.9
	400			5.9
	700			8.5
	900			10.0
	1000			10.7

Max. Operating Voltage - UL	300 V RMS
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NOTES:

Notes	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
643948 0101000	#20 FPFA BRD FLRST	1000	32	BLACK	C
643948 010500	#20 FPFA BRD FLRST	500	17.5	BLACK	C
643948 010U1000	#20 FPFA BRD FLRST	U1000	30	BLACK	
643948 010U500	#20 FPFA BRD FLRST	U500	16	BLACK	
643948 8771000	#20 FPFA BRD FLRST	1000	32	NATURAL	C
643948 877500	#20 FPFA BRD FLRST	500	17.5	NATURAL	C
643948 877U1000	#20 FPFA BRD FLRST	U1000	30	NATURAL	
643948 877U500	#20 FPFA BRD FLRST	U500	16	NATURAL	

C = CRATE REEL PUT-UP.

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