

7733A Coax - 50 Ohm Transmission and Computer Cable



Description:

Low loss RG-8/U type, 10 awg solid .108" bare copper, Duofoil® +90% tinned copper braid shield, foam FEP insulation, fluorocopolymer jacket, plenum rated.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	8/U
AWG	10
Stranding	Solid
Conductor Diameter	.108 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.280 in.

OUTER SHIELD:

Outer Shield Type	Tape/Braid
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Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

OUTER JACKET:

Outer Jacket Material	PVDF - Fluorocopolymer
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.355 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +150°C
Temperature Rating	125°C
Bulk Cable Weight	115 lbs/1000 ft.
Max. Recommended Pulling Tension	174 lbs.



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Min. Bend Radius (Install) 4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification CMP

CEC/C(UL) Specification CMP

FLAME TEST:

UL Flame Test UL910 Steiner Tunnel

C(UL) Flame Test FT6

SUITABILITY:

Suitability - Indoor Y

Suitability - Outdoor Y

PLENUM/NON-PLENUM:

Plenum (Y/N) Y

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance 50 Ohms

Nom. Capacitance Conductor to Shield 24.2 pF/ft

Nominal Velocity of Propagation 84 %

Nominal Delay 1.2 ns/ft

Nom. Conductor DC Resistance @ 20 Deg. C .9 Ohms/1000 ft

Nominal Outer Shield DC Resistance 1.8 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.1
	10			.4
	50			1.1
	100			1.5
	200			2.1
	400			3.2
	700			4.5
	900			5.7
	1000			5.9
	4000			14.1

NOTES:

Notes Low Loss

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
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7733A 0101000	#9-1/2 FFEP SH SLF	1000	105	BLACK	C
7733A 010500	#9-1/2 FFEP SH SLF	500	53.5	BLACK	C

C = CRATE REEL PUT-UP.

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