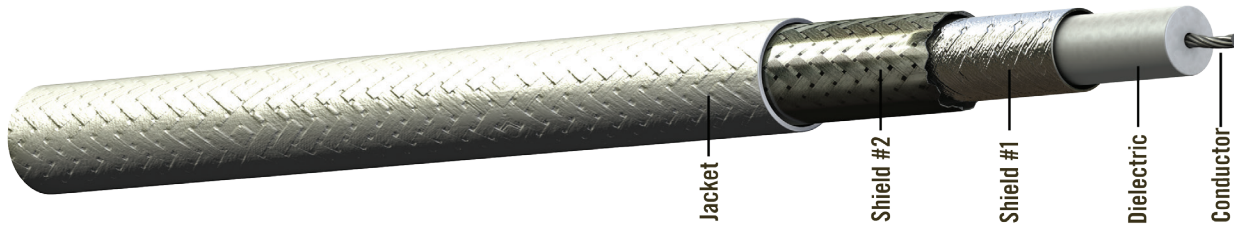


V73263



CABLE CONSTRUCTION

Conductor: Silver-Plated Copper

Dielectric: FEP

Shield #1: Silver-Plated Copper Spiral Wrap

Shield #2: Tin-Plated Copper Braid

Jacket: Extruded ETFE, White (Laser Markable)

V73263 is a 75 ohm coaxial cable with low VSWR and attenuation characteristics for high-definition digital video applications. The V73263's construction includes a silver-plated copper center conductor, a foamed fluoropolymer dielectric and is double-shielded with a helically-wound silver-plated copper strip and a tin-plated copper braid. This combination yields better than -110 dB shielding effectiveness. Because of the critical effect of impedance-matched terminations, a comprehensive family of 75 ohm connectors are available.

PHYSICAL DATA

Conductor:	26 AWG Stranded SPC
Temperature Range:	-55 to +150°C
Outer Diameter: in (mm)	0.125 (3.18)
Minimum Bend Radius: in (mm)	0.65 (16.51)
Weight: lbs/100 ft (kg/100 m)	1.5 (2.2)

ENVIRONMENTAL DATA

Skydrol Resistant:	SAE AS4373E, Method 601
RoHS Compliant:	RoHS Directive 2002/95/EC
Flame / Smoke Requirements:	FAR Part 25.869 (a) App. F, Part 1, (a)(3)
Berry Specialty Metals Compliance:	DFARS 252.225-7014, Alt 1

RECOMMENDED MAX TRANSMISSION LENGTHS

SMPTE 292M (HD-SDI): f (m)	125 (38)
SMPTE 424M (3G-SDI): f (m)	85 (26)

(Max length based on 20 dB max. Contact system OEM to verify max loss allowed)

ELECTRICAL DATA

Impedance:	75 ohms
Capacitance: pF/ft (m)	16 (52.5)
Velocity of Propagation:	80%
Time Delay: ns/ft (m)	1.27 (4.17)
Shielding Effectiveness: dB min	-110
DC Resistance: ohms/1000 ft (m)	34.5 (113.2)

ATTENUATION DATA

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@ 0.4 GHz	10.2/11.3	(33.5/37.1)
@ 0.75 GHz	14.2/15.7	(46.6/51.5)
@ 1.5 GHz	20.7/22.7	(67.9/74.5)
@ 3.0 GHz	30.3/33.3	(99.4/109.3)
@ 6.0 GHz	44.9/49.4	(147.3/162.1)

Formula for Attenuation:
 $(K1 \times \sqrt{F(\text{MHz})}) + (K2 \times F(\text{MHz}))$

K Values (nom loss):
 K1 = 0.487 K2 = 0.0012

All values nominal, unless otherwise noted

V73263 75 OHM COAX CABLE

CONTACTS/CONNECTORS FOR V73263

ARINC CONTACTS

PART #	CONTACT TYPE
190703	Size 5 Socket
190733	Size 5 Socket
190729	Size 8 Socket
190732	Size 8 Socket
190730	Size 16 Socket
110237	Mil-C-81659 Size 9 Socket

M39029 FOR MIL-C-38999 CONTACTS

PART #	CONTACT TYPE
190738	Size 8 Pin
190738-01	Size 8 Pin 50 ohm w/seal
190740	Size 8 Pin
190740-01	Size 8 Pin (w/ Environmental Seal)
190766	Size 12 Pin
190735	Size 16 Pin
190739	Size 8 Socket
190739-01	Size 8 Socket (w/ Environmental Seal)
190741	Size 8 Socket
190741-01	Size 8 Socket (w/ Environmental Seal)
190767	Size 12 Socket
190734	Size 16 Socket

DIN CONNECTOR

PART #	CONNECTOR TYPE
110842	1.0/2.3 DIN Plug

M39012 CONNECTORS

PART #	CONNECTOR TYPE
190712	BNC Straight Plug
110717	HD-BNC Straight Plug
111163	HD-BNC 90° Plug
110249	BNC 90° Plug
190745	BNC Mini Straight Plug
111069	BNC Mini 90° Plug
190727	BNC Inline Jack
190728	BNC Bulkhead Jack
110783	HD Straight Bulkhead Jack
110677	F Straight Plug
110218	RCA Straight Plug
190736	SMB Socket
110285	SMC Female Plug
190768	SMC 90° Female Plug
110863	SMZ Straight Female Plug
110865	SMZ 90° Female Plug
190714	SMA Straight Plug
190708	TNC Straight Plug
190721	TNC Bulkhead Jack
190752	MCX 90° Plug

D-SUB CONTACTS

PART #	CONTACT TYPE
110235	Size 8 Pin
190763	Size 8 Pin
110236	Size 8 Socket
190764	Size 8 Socket