



ANTRICA

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Specification

ANT-1776 HD-SDI cable assembly
Part Number ANT-1776C-SDI

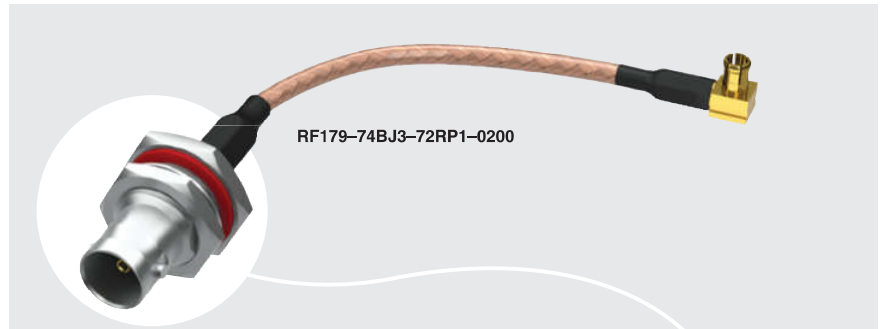


Key Features

- Samtec RF179-73SP4-74SP3-0600 miniature connector for mating with ANT-1776-SDIMEZ mezzanine board with standard BNC connector at the other end of the cable,
- 600mm long
- 75 Ohm

Product Overview

This is a BNC to miniature Semtec cable for connecting HD-SDI signals to the ANT-1776-SDIMEZ mezzanine board



75 Ω OPTIMIZED RG 179 CABLES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF179

RF Connector:

- Outer Contact Material:** Ni plated Brass (BNC)
- Au plated Brass (SMB)
- Au plated BeCu (MCX, MMCX7, DIN)
- Center Contact Material:** Au plated Brass (BNC-F, MCX, MMCX7)
- Au plated BeCu (SMB)
- Au plated Copper Alloy (DIN, BNC-J)
- Insulator Material:** PTFE
- Operating Temperature:** -50 °C to +165 °C
- Impedance:** 75 Ω
- Frequency Range:** 0-4 GHz * (Cable & connector dependent)
- RoHS Compliant:** Yes

RG 179 Cable:

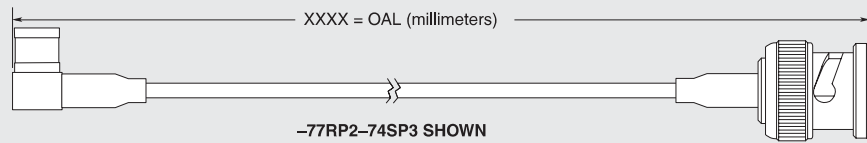
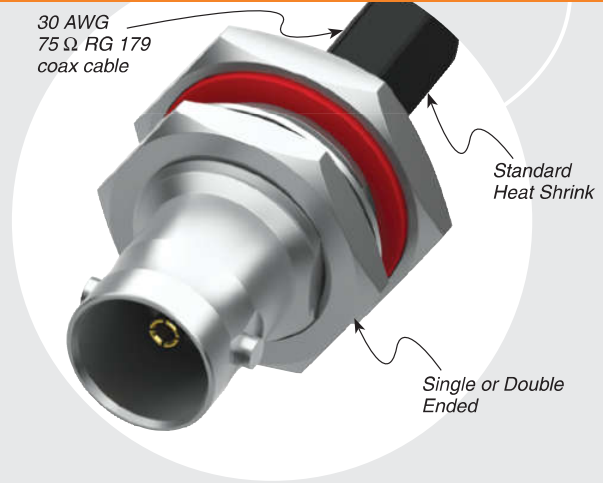
- Impedance:** 75 Ω ±3 Ω
- Capacitance:** 64 pF/meter
- Propagation Delay:** 4.83 nsec/meter
- Max Attenuation (cable only):** 0.8 dB @ 1 GHz for 1 meter
- Conductor Size:** 30 AWG, (0.31 mm) .012" dia.
- Conductor Material:** Silver Plated Copper
- Conductor Resistance:** 0.34 Ω/meter max
- Current Rating:** 3 A DC
- Insulator Diameter:** (1.6 mm) .063"
- Insulator Material:** PTFE
- Dielectric Constant:** 1.8 dK
- Shield Material:** Silver Plated Copper
- Jacket Material:** FEP
- Jacket Diameter:** (2.54 mm) .100"
- Bend Radius:** 10.2 mm
- Jacket Temp Rating:** -50 °C to +165 °C
- Jacket Color:** Amber
- RoHS Compliant:** Yes

Mates with: BNC7T, MCX7, MMCX7, SMB7H, DIN7A



- Create a full system: cable assembly and board level mates, 50 Ω and 75 Ω solutions
- 24-hour samples on standard products
- Visit: rf.samtec.com

* See connector component pages for specific range.



END OPTIONS	
-73SP4 = 75 Ω MMCX7 Straight Plug (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)	
-73RP1 = 75 Ω MMCX7 Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-73SJ4 = 75 Ω MMCX7 Straight Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)	

END OPTIONS	
-72RP1 = 75 Ω MCX Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-72SP1 = 75 Ω MCX Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-77SP1 = 75 Ω SMB Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.