



RFB8T SERIES

75Ω OPTIMIZED 1855A CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RFB8T

RF Connector:

Outer Contact Material:
Ni plated Brass (BNC)
Au plated BeCu (DIN)
Center Contact Material:
Au plated Brass
Operating Temperature:
-65°C to +125°C
Impedance:
75Ω ±2Ω (ST), 75Ω ±4Ω (RA)
Frequency Range:
0-3.5 GHz *
Working Voltage:
250 Vrms (DIN),
330 Vrms (BNC)
Dielectric Withstanding:
750 Vrms (DIN),
1000 Vrms (BNC)
Contact Resistance:
Center Contact: Testing Now!
Outer Contact: Testing Now!
RoHS Compliant: Yes

1855A Cable:

Impedance: 75Ω ±3Ω
Capacitance: 56 ±3pF/meter
Max Attenuation (cable only):
0.37dB @ 1GHz for 1 meter
Conductor Size:
23 AWG, (0.58 mm) .023" dia.
Conductor Material:
Bare Copper
Insulator Material:
Gas Injected Foamed
Polyethylene
Shield Material: Tin Copper
Jacket Material: PVC
Jacket Diameter:
(4.03 mm) .159"
Bend Radius:
38.1 mm
Jacket Color: Black
RoHS Compliant: Yes

Mates with:
DIN7A, HDBNC

THINK OUTSIDE THE CATALOG

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

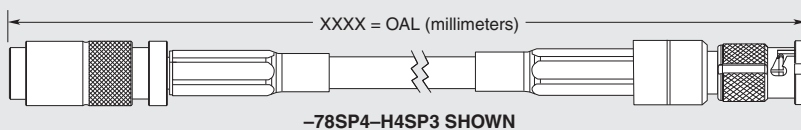
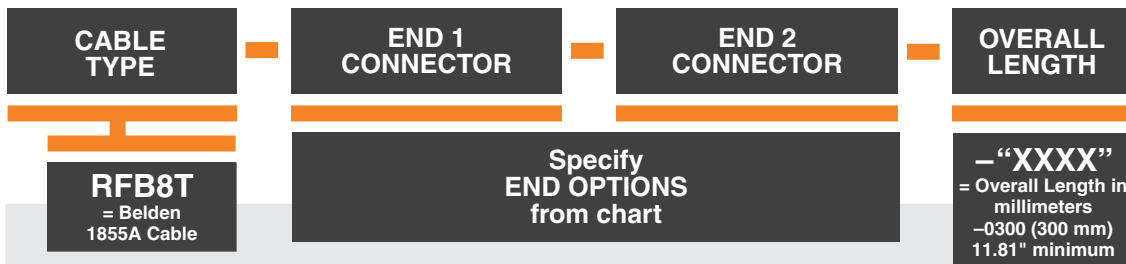


23 AWG 75Ω
1855A Belden cable



Single or Double Ended

3G-SDI optimized
75Ω terminations



ALSO AVAILABLE (MOQ Required)

- Additional stripping and tinning options
 - Additional plating options
- Contact Samtec.

OTHER SOLUTIONS

- Hand tool available. Contact RFGroup@samtec.com
- Cable connector kits (see cable components catalog pages)

* See connector component pages for specific range.

Note:
Designed to meet SMPTE 424M 3G-SDI specifications.

STRIPPED & TINNED (Dimensions in mm)

CALLOUT	A	B	C
-303030	3.0	3.0	3.0
-303040	3.0	3.0	4.0
-403030	4.0	3.0	3.0
-403040	4.0	3.0	4.0
-404040	4.0	4.0	4.0

Both center conductor and braid shield are stripped, only the center conductor is tinned.

END OPTIONS	
-H4SP3 = 75Ω High Density BNC Straight Plug (10μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	
-78SP4 = 75Ω DIN Straight Plug (10μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	

END OPTIONS	
-SING = Single Ended (End 2 callout)	
-XXXXXX = Stripped & Tinned (End 2 callout) (See chart for callout)	