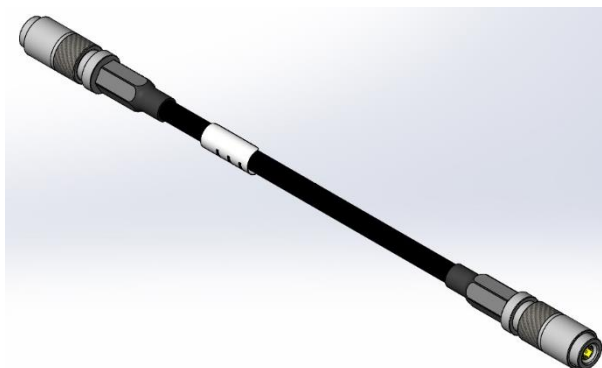


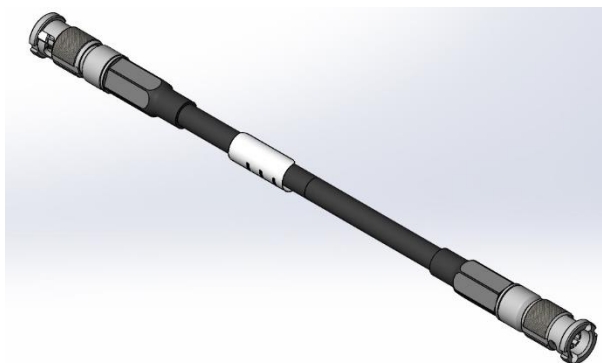


RF Characterization Report

RFC8T-78SP4-78SP4-XXXX



RFC8T-H4SP3-H4SP3-XXXX



Test Date: 22 Dec 2020

Description

75 Ohm Optimized BELDEN 4855R Cable Assemblies

Series: RFC8T

Description: 75 Ohm Optimized BELDEN 4855R Cable Assemblies

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Series: RFC8T

Description: 75 Ohm Optimized BELDEN 4855R Cable Assemblies

Test Setup Information

Scope:

Provide return loss and insertion loss performance parameters for RFC8T 75 Ohm Optimized BELDEN 4855R Cable Assemblies

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5230C
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	0.3 MHz
Sweep End	20 GHz
Points	3201
Test Cables	Gore 0F0CACB036.0-LF (DC to 67 GHz)

Calibration Type:

A Keysight mechanical calibration is performed for N5230C using the Keysight 3.5mm 85052D Mechanical Calibration kit.

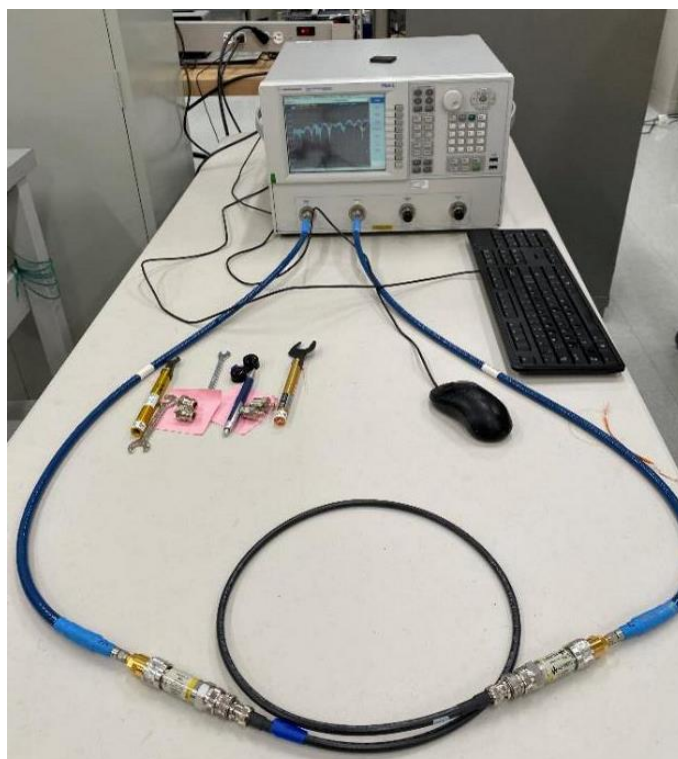
Calibration Kit	Keysight 85052 D 3.5mm Mechanical Calibration kit
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Adapter Use:

Fixture models (SMA to TypeN + matching pad (L-pad) + TypeN to BNC) are generated using Open method in PLTS. Then all fixture effects were removed, no adaptor effects are included in the test results.

Series: RFC8T**Description:** 75 Ohm Optimized BELDEN 4855R Cable Assemblies**RFC8T-XXSPX-XXSPX-XXXX Test Definition**

Part Number	End 1	End 2
RFC8T-78SP4-78SP4-0152	DIN Straight Plug	DIN Straight Plug
RFC8T-78SP4-78SP4-1000	DIN Straight Plug	DIN Straight Plug
RFC8T-H4SP3-H4SP3-0152	High-Density BNC Straight Plug	High-Density BNC Straight Plug
RFC8T-H4SP3-H4SP3-1000	High-Density BNC Straight Plug	High-Density BNC Straight Plug

Connector Under Test:**Return Loss Specification**

Frequency	Return Loss
DC to 1.485 GHz	-15 dB
1.485 GHz to 3 GHz	-10 dB
3 GHz to 6 GHz	-7 dB
6 GHz to 12 GHz	-4 dB

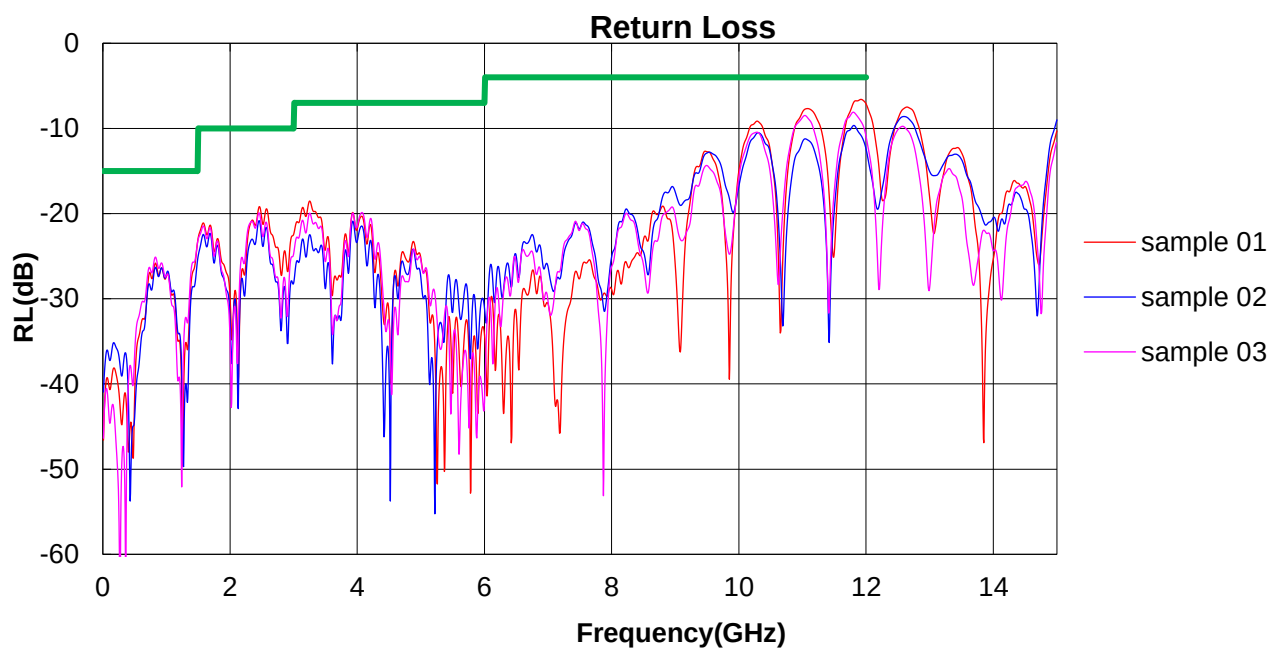
Series: RFC8T

Description: 75 Ohm Optimized BELDEN 4855R Cable Assemblies

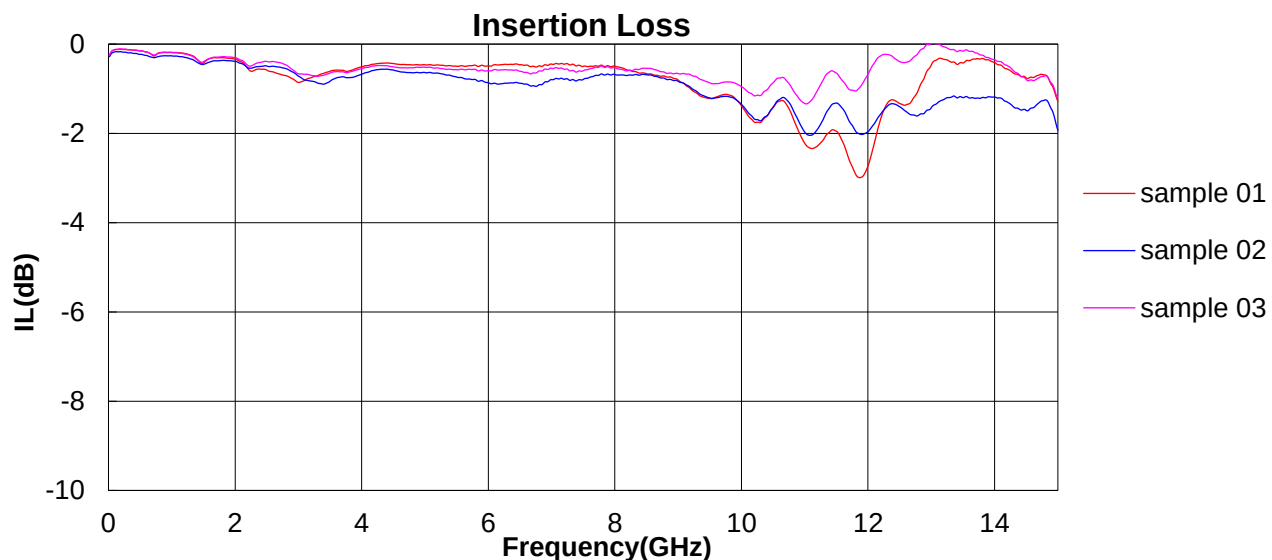
Results: RFC8T-78SP4-78SP4-0152

Sample	RL Max (DC to12GHz)	IL Min (DC to12GHz)
1	-6.59 @ 11.92 GHz	-2.99 dB @ 11.87 GHz
2	-9.65 @ 11.81 GHz	-2.04 dB @ 11.08 GHz
3	-8.09 @ 11.80 GHz	-1.34 dB @ 11.03 GHz

Return Loss



Insertion Loss



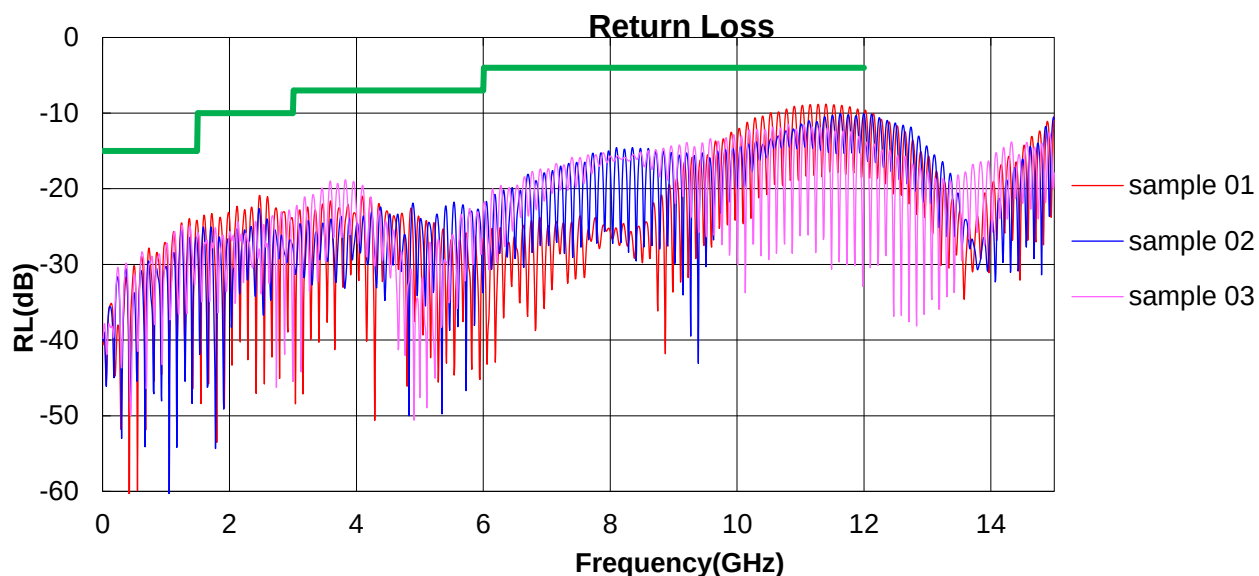
Series: RFC8T

Description: 75 Ohm Optimized BELDEN 4855R Cable Assemblies

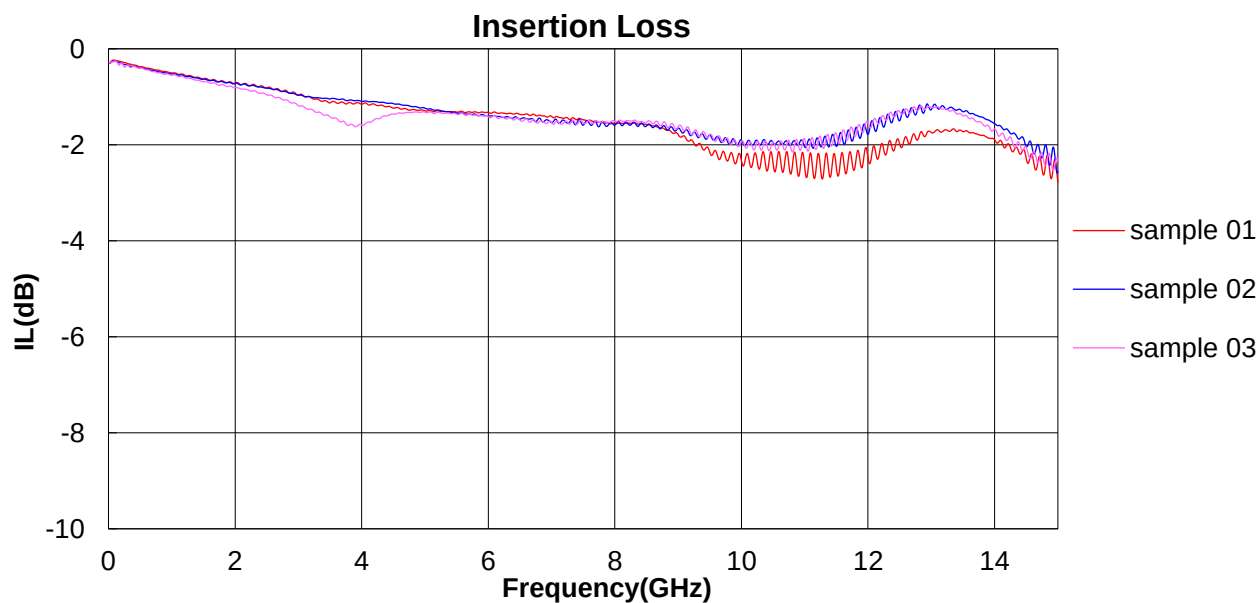
Results: RFC8T-78SP4-78SP4-1000

Sample	RL Max (DC to12GHz)	IL Min (DC to12GHz)
1	-8.81 @ 11.40 GHz	-2.71 dB @ 11.28 GHz
2	-10.05 @ 11.63 GHz	-2.07 dB @ 11.13 GHz
3	-11.50 @ 10.81 GHz	-2.15 dB @ 10.81 GHz

Return Loss



Insertion Loss



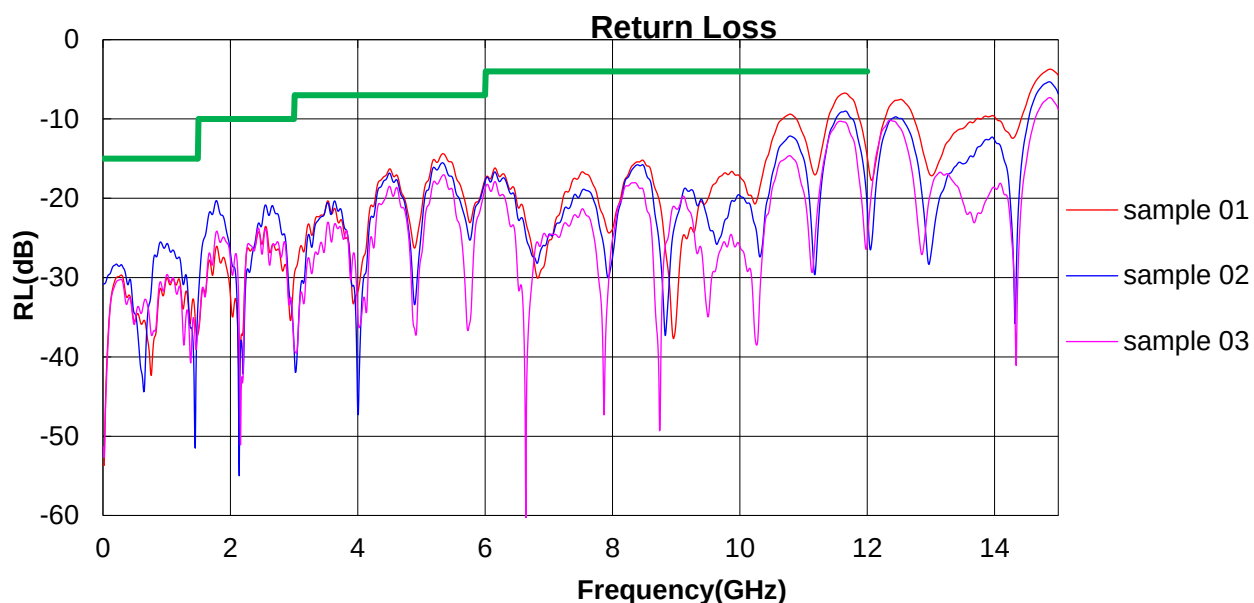
Series: RFC8T

Description: 75 Ohm Optimized BELDEN 4855R Cable Assemblies

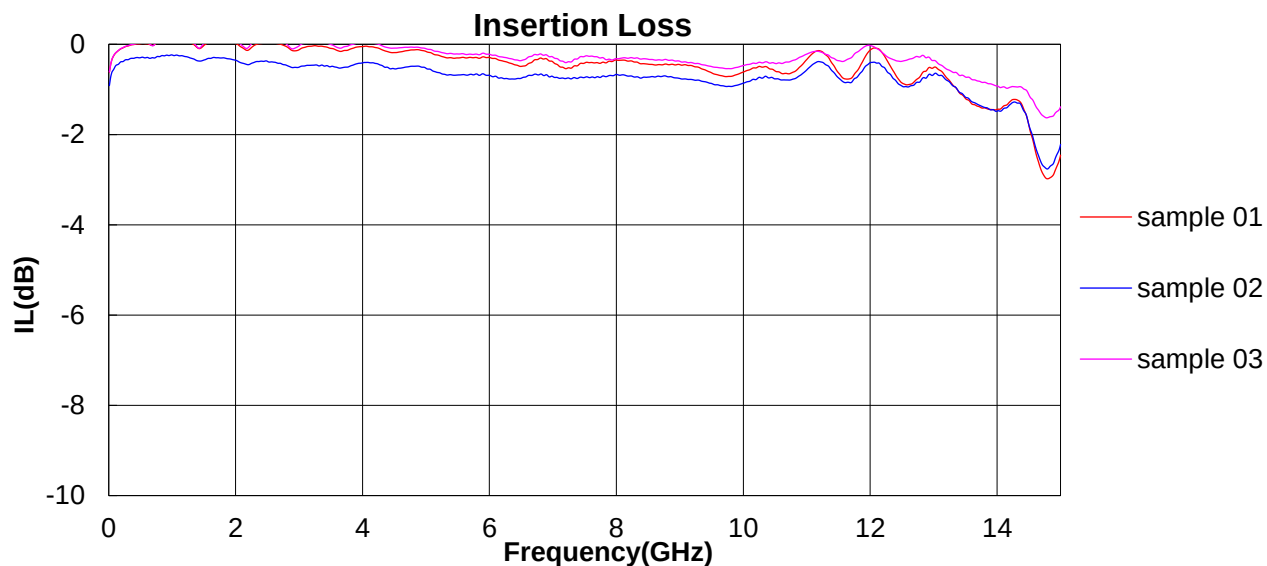
Results: RFC8T-H4SP3-H4SP3-0152

Sample	RL Max (DC to12GHz)	IL Min (DC to12GHz)
1	-6.73 @ 11.65 GHz	-0.77 dB @ 11.63 GHz
2	-9.01 @ 11.66 GHz	-0.94 dB @ 9.74 GHz
3	-10.28 @ 11.58 GHz	-0.54 dB @ 9.80 GHz

Return Loss



Insertion Loss



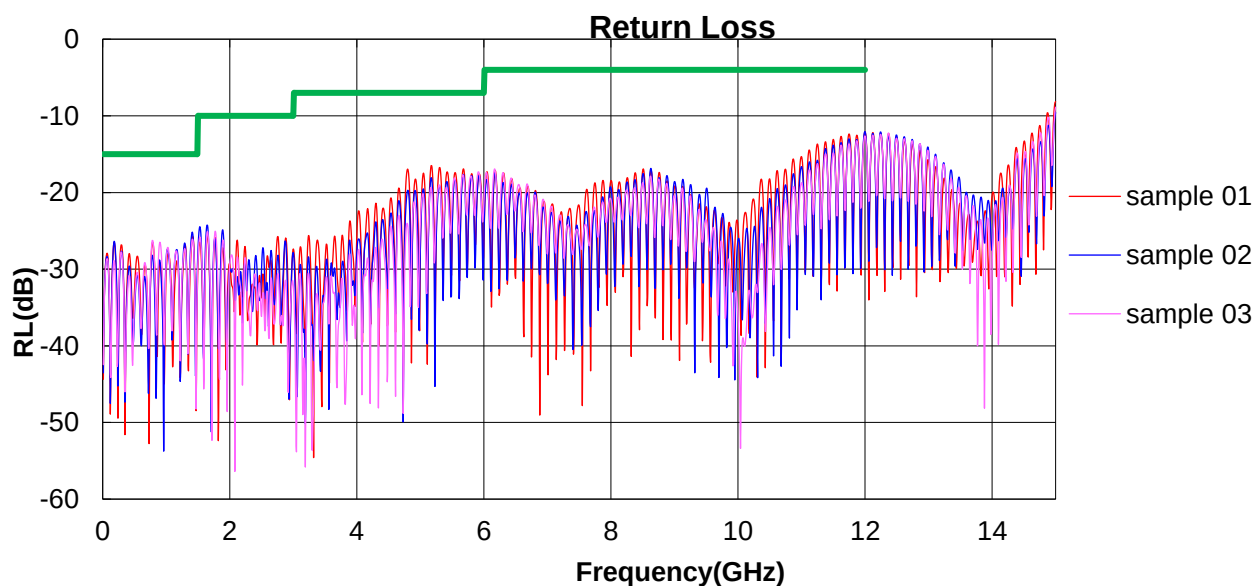
Series: RFC8T

Description: 75 Ohm Optimized BELDEN 4855R Cable Assemblies

Results: RFC8T-H4SP3-H4SP3-1000

Sample	RL Max (DC to 12GHz)	IL Min (DC to 12GHz)
1	-12.07 @ 12 GHz	-1.64 dB @ 9.71 GHz
2	-12.05 @ 12 GHz	-1.65 dB @ 9.54 GHz
3	-12.63 @ 12 GHz	-1.57 dB @ 9.74 GHz

Return Loss



Insertion Loss

