

Series: RFC6T, Cable Assembly for Belden 4694R Cable, 75 Ω



Part  
Number:

RFC6T-XXXXX-XXXXXX-XXXX

CABLE CALLOUT  
C6T: BELDEN 4694R CABLE

OVERALL ASSEMBLY LENGTH (OAL)  
XXXX (MILLIMETERS) (0300 MIN)

END 1 CONNECTOR  
74RP3: BNC RIGHT ANGLE PLUG  
74SP3: BNC STRAIGHT PLUG  
H4SPX: HDBNC PLUG  
78SPX: DIN 1.0/2.3 PLUG

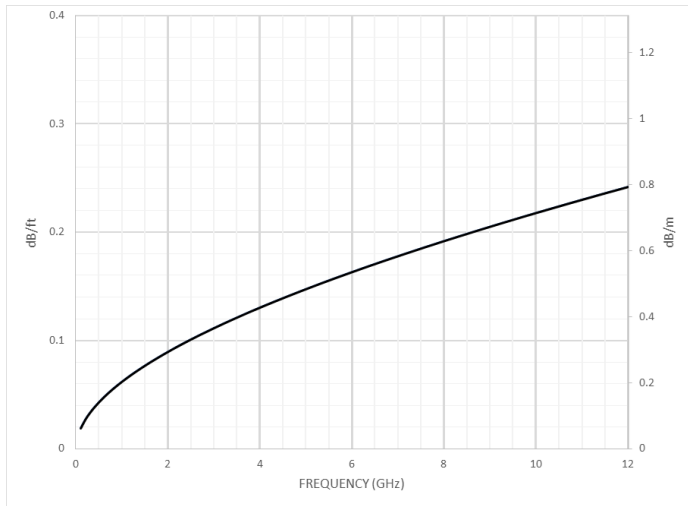
END 2 CONNECTOR  
74RP3: BNC RIGHT ANGLE PLUG  
74SP3: BNC STRAIGHT PLUG  
H4SPX: HDBNC PLUG  
78SPX: DIN 1.0/2.3 PLUG  
SING: SINGLE ENDED  
XXXXXX: STRIPPED & TINNED

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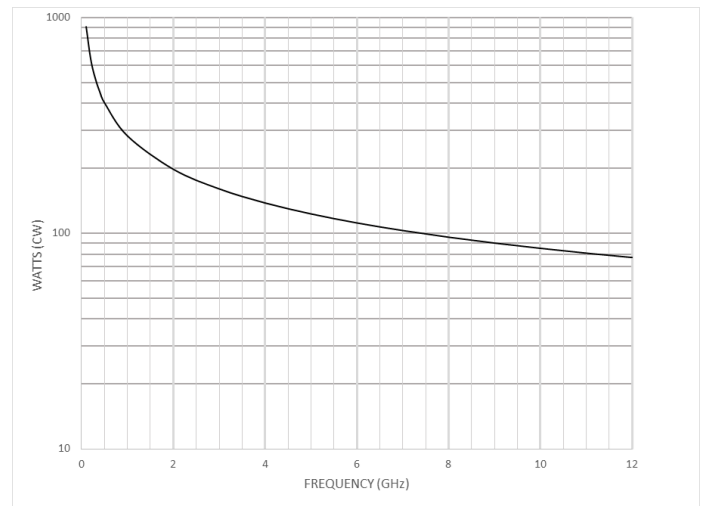
**ELECTRICAL DATA**

Impedance	75 Ω
Frequency Range	DC to 12 GHz
Velocity of Propagation	85 %
Capacitance	52.168 pF/meter
Time Delay	3.937 ns/meter
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
Insertion Loss	<i>See Graph</i>
Power Handling	<i>See Graph</i>

**MAXIMUM INSERTION LOSS @ T=25°C<sup>1</sup>**



**TYPICAL POWER HANDLING @ T=25°C<sup>2</sup>**



<sup>1</sup>Not including connector losses. Connector losses can be approximated as  $0.045\sqrt{F}$ (GHz) dB/connector.

<sup>2</sup>Guideline, only. Actual power handling performance depends on mounting and cooling.

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## MECHANICAL DATA

Outer Diameter (cable only)	6.96 mm
Mass	61.016 grams/meter
Minimum Bend Radius	69.85 mm

## ENVIRONMENTAL DATA

Temperature Range	-55 to +85°C
Thermal Shock	EIA-364-32, -55°C to +85°C, 100 cycles

## CONNECTOR OPTIONS

End Option	Description	Drawing
74RP3	BNC Right Angle Plug	<a href="#">BNC7T-P-C-XX-RA-CA6X Drawing</a>
74SP3	BNC Straight Plug	<a href="#">BNC7T-P-C-XX-ST-CA6X Drawing</a>
H4SPX	HDBNC Straight Plug	<a href="#">HDBNC-P-C-XX-ST-CA6X Drawing</a>
78SPX	DIN 1.0/2.3 Straight Plug	<a href="#">DIN7A-PP-C-XX-ST-CA6X Drawing</a>

## ADDITIONAL INFORMATION

Cable Type	Drawing
Cable Assembly	<a href="#">RFC6T Drawing</a>

### USE OF PRODUCT SPECIFICATION SHEET

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