

Item no. 

99909475-02
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Connector type 

BNCM-56-CX3 4.9
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For cable 

Belden 1694A
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Frequency Range 

0.3 - 3000 MHz
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Impedance (Nom.) 

75 Ω
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Amp. Rating (measured) 

3.0 A @10°C increase
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(calculated) 

4.2 A @20°C increase
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Product photo



Transfer Impedance (CoMeT) 

Class A
<5.0 mΩ/m @ 5-30MHz
<0.24 mΩ/item @ 5-30MHz

  
Screening Attenuation(CoMeT) 

Class A
>90 dB @ 30-1000MHz
>85 dB @ 1000-2000MHz
>85 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-39 dB	-41.5 dB
500 - 860 MHz	-36 dB	-38.8 dB
860 - 1000 MHz	-34 dB	-37.3 dB
1000 - 1750 MHz	-28 dB	-30.9 dB
1750 - 2150 MHz	-25 dB	-28.0 dB
2150 - 3000 MHz	-21 dB	-24.4 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.07 dB	-0.02 dB
500 - 860 MHz	-0.08 dB	-0.03 dB
860 - 1000 MHz	-0.09 dB	-0.04 dB
1000 - 1750 MHz	-0.13 dB	-0.08 dB
1750 - 2150 MHz	-0.14 dB	-0.09 dB
2150 - 3000 MHz	-0.17 dB	-0.12 dB

Temperature  
Installing 

-5° to +50° C
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Operating 

-40° to +70° C
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Storing 

-40° to +70° C
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Intermodulation  
3rd Order (@2x100mW) 

IM3
-90 dBc

Inner Conductor Resistance  
(@ 1 A DC) 

1.6 mΩ
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Sealing Test  
(IEC IP-code) 

N/A
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Insulation Resistance  
(@ 500 VDC) 

>200 GΩ
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O-rings 

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Dielectric Strength  
DC Test Voltage 

2.0 KV
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Base Material  
Body Parts 

Brass CuZn39Pb3 / Copper / SWPA
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Inner Conductor 

Brass CuZn39Pb3 / Beryllium copper
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Max. Tensile Strength  
Overall 

400 N
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Plating  
Body Parts 

Nitin-6
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Inner Conductor 

Nitin-6 / Tin
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Torsional Strength  
(Connector / Cable) 

* NATM
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Insulators 

POM / PE
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Test performed by 

Sven-Erik Sandberg
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Date of release 

September 27, 2013
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Remarks \* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

*All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.*