

Item no. 

49010100-01
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Connector type 

3.5/12M-TL101
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For cable 

Draka Coax9 AD 11 S
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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) 

8.0 A @10°C increase
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(calculated) 

11.3 A @20°C increase
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Product photo



Transfer Impedance (CoMeT) 

Class A+
<2,5 mΩ/m @ 5-30MHz
<0,10 mΩ/item @ 5-30MHz

  
Screening Attenuation(CoMeT) 

Class A++
>130 dB @ 30-1000MHz
>125 dB @ 1000-2000MHz
>120 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-29 dB	-32.2 dB
500 - 860 MHz	-25 dB	-27.8 dB
860 - 1000 MHz	-24 dB	-26.7 dB
1000 - 1750 MHz	-21 dB	-24.0 dB
1750 - 2150 MHz	-20 dB	-23.3 dB
2150 - 3000 MHz	-20 dB	-22.6 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.07 dB	-0.02 dB
860 - 1000 MHz	-0.08 dB	-0.03 dB
1000 - 1750 MHz	-0.10 dB	-0.05 dB
1750 - 2150 MHz	-0.10 dB	-0.05 dB
2150 - 3000 MHz	-0.10 dB	-0.05 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 (@2x+27dBm) 

IM3
-130 dBc

Inner Conductor Resistance  
(@ 1 A DC) 

<3.7 mΩ
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Sealing Test  
(IEC IP-code) 

IP X8 30 meter / 8 hours
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Insulation Resistance  
(@ 500 VDC) 

>200 GΩ
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O-rings 

EPDM
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Dielectric Strength  
DC Test Voltage 

>2.5 KV
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Base Material  
Body Parts 

Brass CuZn39Pb3
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Inner Conductor 

Brass CuZn39Pb3 / Beryllium copper
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Max. Tensile Strength  
Overall 

>18.3 Kgf
>180 N

Plating  
Body Parts 

Nitin-6
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Inner Conductor 

Nitin-6
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Torsional Strength  
(Connector / Cable) 

* NATM
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Insulators 

COC (Topas) / PP with Glass
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Test performed by 

Sven-Erik Sandberg
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Date of release 

February 04, 2015
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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.*