

Item no. 

99909446-01
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Connector type 

F-56-CX3 5.1
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For cable 

Cavel KF 114
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Frequency Range 

0.3 - 3000 MHz
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Impedance (Nom.) 

75 Ohm
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Amp. Rating (measured) 

Cable data
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(calculated) 

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Product photo



Screening Attenuation(CoMeT) 

Class A
>85 dB @ 30-1000MHz
>75 dB @ 1000-2000MHz
>65 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-37 dB	-41.0 dB
500 - 860 MHz	-38 dB	-41.0 dB
860 - 1000 MHz	-38 dB	-41.0 dB
1000 - 1750 MHz	-38 dB	-41.0 dB
1750 - 2150 MHz	-36 dB	-40.2 dB
2150 - 3000 MHz	-28 dB	-36.1 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-0.06 dB	-0.01 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 IM3  
3rd Order (@2x+20dBm) 

-150 dBc
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Inner Conductor Resistance (@ 1 A DC) 

Cable data
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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 / POM
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Inner Conductor 

Cable data
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Max. Tensile Strength Overall 

>15 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 

Cabel data
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Test performed by 

Susanne Lindharth
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Date of release 

June 22, 2017
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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.*