

Item no. 53023200-1

Connector type
For cable

FM-32
Belden PRG11 Doubond Plus

Frequency Range

Impedance (Nom.)

Amp. Rating (measured)
(calculated)

Transfer Impedance (CoMeT)

Shielding Effectiveness(CoMeT)

0.3 - 3000 MHz
75 Ω
8,0 A @10°C increase
11,3 A @20°C increase
< 2,5 mΩ/m @ 5-30MHz
< 0,14 mΩ/con. @ 5-30MHz
> 120 dB @ 30-1000MHz
> 100 dB @ 1000-3000MHz

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



Return Loss (IEC 61169-1)

(Rhode und Schwarz ZVB-8)

0.3 - 500 MHz
500 - 860 MHz
860 - 1000 MHz
1000 - 1750 MHz
1750 - 2150 MHz
2150 - 3000 MHz

Better than Typical

-31 dB	-34,0 dB
-28 dB	-30,7 dB
-27 dB	-30,0 dB
-24 dB	-26,8 dB
-23 dB	-25,8 dB
-23 dB	-25,8 dB

Insertion Loss Max.

0.3 - 500 MHz
500 - 860 MHz
860 - 1000 MHz
1000 - 1750 MHz
1750 - 2150 MHz
2150 - 3000 MHz

Better than Typical

-0,07 dB	-0,02 dB
-0,08 dB	-0,03 dB
-0,09 dB	-0,04 dB
-0,10 dB	-0,05 dB
-0,12 dB	-0,07 dB
-0,14 dB	-0,09 dB

Temperature

Installing
Operating
Storing

-5° to +50° C
-40° to +70° C
-40° to +70° C

Intermodulation

3rd Order (@2x100mW)

IM3

IP3-value

-135 dBc +87 dBm

Inner Conductor Resistance

(@ 1 A DC)

1,2 mΩ

Sealing Test

(IEC IP-code)

IP X8 30 meter / 8 hours

Insulation Resistance

(@ 500 VDC)

> 200 GΩ

O-rings

EPDM

Dielectric Strength

DC Test Voltage

> 4,0 KV

Base Material

Body Parts
Inner Conductor

Brass CuZn39Pb3
Brass CuZn39Pb3

Max. Tensile Strength

Overall

>51 Kgf.
>500 N

Plating

Body Parts
Inner Conductor

Nitin-6
Nitin-6

Torsional Strength

(Connector / Cable)

* NATM

Insulators

PE / PP with Glass

Test performed by
Date of release

Troels V. Kristensen
May 27, 2011

Remarks

* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

ISO 9001:2008 / ISO 14001 certified

Distributor:

CABELCON
connectors

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