

Item no. 27352500

Connector type FM-C525
For cable Draka Coax3 CT 33 S

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	7 A
Transfer Impedance (CoMeT)	<0,8 mΩ/m @ 5-30MHz
	<0,1 mΩ/con. @ 5-30MHz
Shielding Effectiveness (CoMeT)	130 dB @ 30-862MHz

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
(RF Analyzer HP 8714C)

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

	Better than	Typical
0.3 - 500 MHz	-41 dB	-43,0 dB
500 - 860 MHz	-37 dB	-39,6 dB
860 - 1000 MHz	-35 dB	-37,3 dB
1000 - 1750 MHz	-31 dB	-33,0 dB
1750 - 2150 MHz	-28 dB	-30,4 dB
2150 - 3000 MHz	-21 dB	-23,7 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
0.3 - 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	-0,07 dB	-0,02 dB
1750 - 2150 MHz	-0,08 dB	-0,03 dB
2150 - 3000 MHz	-0,09 dB	-0,04 dB

Temperature

Installing
Operating
Storing

Installing	-5° to +50° C
Operating	-40° to +85° C
Storing	-40° to +85° C

Intermodulation

3rd Order (@2x100mW)

IM3	IP3-value
150 dBc	95 dBm

Insulation Resistance

(@ 500 V)

200 GΩ

Sealing Test

(IEC IP-code)

IP X8 30 meter / 8 hours

Inner Conductor Resistance

(@ 1 A DC)

1,6 mΩ

Max. Tensile Strength

Overall

1500 N

Base Material

Body Parts

Brass CuZn39Pb3

Inner Conductor

Brass CuZn39Pb3

Torsional Strength

(Connector / Cable)

8 Nm

Plating

Body Parts

Nitin-6

Inner Conductor

Nitin-6

Dielectric Strength

DC Test Voltage

3,2 KV

O-rings

EPDM

Test performed by

Florian Lütcher

Insulators

COC / PP with Glass

Date of release

May 24, 2005

Remarks

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

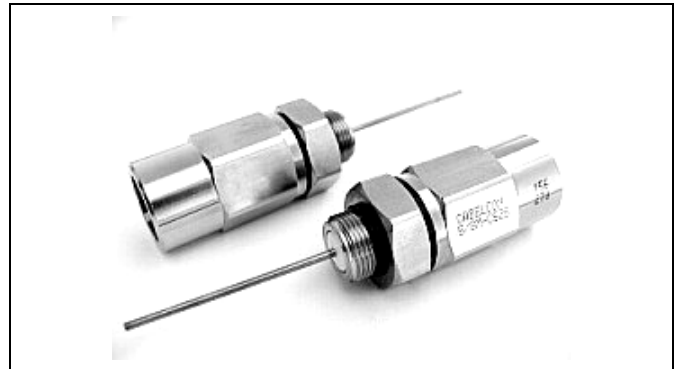
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Form 041 rev 1

Item no.	27052500	Connector type	5/8M-C525 PIN Ø1,8x47mm
		For cable	Draka Coax3 CT 33 S

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	20 A
Transfer Impedance (CoMeT)	<0,8 mΩ/m @ 5-30MHz
	<0,1 mΩ/con. @ 5-30MHz
Shielding Effectiveness (CoMeT)	130 dB @ 30-862MHz

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
(RF Analyzer HP 8714C)

0.3 - 500 MHz	-41 dB	-43,0 dB
500 - 860 MHz	-40 dB	-42,5 dB
860 - 1000 MHz	-39 dB	-41,9 dB
1000 - 1750 MHz	-35 dB	-40,0 dB
1750 - 2150 MHz	-33 dB	-37,7 dB
2150 - 3000 MHz	-30 dB	-33,6 dB

	Better than	Typical
0.3 - 500 MHz	-41 dB	-43,0 dB
500 - 860 MHz	-40 dB	-42,5 dB
860 - 1000 MHz	-39 dB	-41,9 dB
1000 - 1750 MHz	-35 dB	-40,0 dB
1750 - 2150 MHz	-33 dB	-37,7 dB
2150 - 3000 MHz	-30 dB	-33,6 dB

Insertion Loss Max.

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

	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
Operating	-40° to +70° C
Storing	-40° to +70° C

Intermodulation

3rd Order Product (@2x5W)

IM3	IP3-value
160 dBc	117 dBm

Sealing Test

(IEC IP-code)	IP X8 30 meter / 8 hours
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Insulation Resistance

(@ 500 V)	200 GΩ
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Max. Tensile Strength

Overall	1500 N
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Inner Conductor Resistance

(@ 1 A DC)	<0,8 mΩ
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Torsional Strength

(Connector / Cable)	8 Nm
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3

Dielectric Strength

DC Test Voltage	6 KV
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Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

O-rings

	EPDM
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Test performed by

	Florian Lütcher
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Insulators

	PE / COC / PP with Glass
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Date of release

	May 25, 2005
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Remarks

ISO 9001:2000 / ISO 14001 certified

Distributor:



DATA SHEET

Item no.	27552500	Connector type	3,5/12M-C525
		For cable	Draka Coax3 CT 33 S

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	17 A
Transfer Impedance (CoMeT)	<0,8 mΩ/m @ 5-30MHz
	<0,1 mΩ/con. @ 5-30MHz
Shielding Effectiveness (CoMeT)	130 dB @ 30-862MHz

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
(RF Analyzer HP 8714C)

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

	Better than	Typical
	-41 dB	-43,0 dB
	-39 dB	-43,0 dB
	-38 dB	-42,5 dB
	-33 dB	-36,2 dB
	-31 dB	-33,8 dB
	-31 dB	-33,6 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
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB
	-0,07 dB	-0,02 dB
	-0,07 dB	-0,02 dB
	-0,07 dB	-0,02 dB

Temperature

Installing	-5° to +50° C
Operating	-40° to +85° C
Storing	-40° to +85° C

Intermodulation

3rd Order Product (@2x20W)	IM3	IP3-value
	160 dBc	123 dBm

Insulation Resistance

(@ 500 V)	200 GΩ
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Sealing Test

(IEC IP-code)	IP X8 30 meter / 8 hours
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Inner Conductor Resistance

(@ 1 A DC)	<0,7 mΩ
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Max. Tensile Strength

Overall	1500 N
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3

Torsional Strength

(Connector / Cable)	8 Nm
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Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

Dielectric Strength

DC Test Voltage	6 KV
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O-rings

EPDM

Test performed by

Florian Lütcher

Insulators

COC / PP with Glass

Date of release

May 24, 2005

Remarks

ISO 9001:2000 / ISO 14001 certified

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