

DATA SHEET

| | | | |
|-----------------|----------|-----------------------|--------------------------------|
| Item no. | 27552500 | Connector type | 3,5/12M-C525 |
| | | For cable | Draka Coax3 CT 33 A (3,3/13,5) |

| | |
|--|------------------------|
| Frequency Range | 0.3 - 3000 MHz |
| Impedance (Nom.) | 75 Ω |
| Amp. Rating | 20 A |
| Transfer Impedance (CoMeT) | 1,43 mΩ/m @ 5-30MHz |
| | 0,09 mΩ/item @ 5-30MHz |
| Shielding Effectiveness (CoMeT) | 95 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)

| | Better than | Typical |
|-----------------|-------------|----------|
| 0.3 - 500 MHz | -32,5 dB | -34,5 dB |
| 500 - 860 MHz | -28,5 dB | -30,8 dB |
| 860 - 1000 MHz | -28,5 dB | -30,4 dB |
| 1000 - 1750 MHz | -27,0 dB | -29,3 dB |
| 1750 - 2150 MHz | -22,0 dB | -24,4 dB |
| 2150 - 3000 MHz | -21,0 dB | -23,3 dB |
| | | |
| | | |
| | | |

Insertion Loss Max.

| | Better than | Typical |
|-----------------|-------------|----------|
| 0.3 - 500 MHz | -0,05 dB | -0,01 dB |
| 500 - 860 MHz | -0,05 dB | -0,01 dB |
| 860 - 1000 MHz | -0,05 dB | -0,01 dB |
| 1000 - 1750 MHz | -0,05 dB | -0,01 dB |
| 1750 - 2150 MHz | -0,05 dB | -0,01 dB |
| 2150 - 3000 MHz | -0,06 dB | -0,02 dB |
| | | |
| | | |
| | | |

Temperature

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

Intermodulation

| | | |
|-----------------------------|------------|------------------|
| 3rd Order Product (2x100mW) | IM3 | IP3-value |
| | 155 dBc | 97 dBm |

Insulation Resistance

(@ 500 V)

| |
|-----------|
| >29,99 GΩ |
|-----------|

Sealing Test

(IEC IP-code)

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|--------------------------|
| IP X8 30 meter / 8 hours |
|--------------------------|

Inner Conductor

| | |
|--------------------------|---------|
| Resistance max. @ 1 A DC | <0,6 mΩ |
|--------------------------|---------|

Max. Tensile Strength

Overall

| |
|-------|
| 450 N |
| |
| |
| |

Base Material

| | |
|------------|-----------------|
| Body Parts | Brass CuZn39Pb3 |
| Inner | Brass CuZn39Pb3 |

Plating

| | |
|------------|---------|
| Body Parts | Nitin-6 |
| Inner | Nitin-6 |

Dielectric Strength

AC Test Voltage

| |
|--------|
| 3,5 KV |
|--------|

O-rings

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|------|
| EPDM |
|------|

Test performed by

| |
|-----------------|
| Florian Lütcher |
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Insulators

| |
|---------------------|
| COC / PP with Glass |
|---------------------|

Date of release

| |
|-------------------|
| November 21, 2003 |
|-------------------|

Remarks

ISO 9001 certified

Distributor:

CABELCON
connectors

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