

Item no.

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| 99909921-01 |
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| F-59-TD 3.9 |
| 280028 |

Frequency Range

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|----------------|
| 0.3 - 3000 MHz |
|----------------|

 Impedance (Nom.)

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|--------|
| 75 Ohm |
|--------|

 (calculated)

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| Cable data |
|------------|

Product photo



Transfer Impedance (CoMeT)

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| Class A+ |
| <2.5 mΩ/m @ 5-30MHz |
| <0.68 mΩ/item @ 5-30MHz |

 Screening Attenuation(CoMeT)

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| Class A++ |
| >105 dB @ 30-1000MHz |
| >95 dB @ 1000-2000MHz |
| >85 dB @ 2000-3000MHz |

| Return Loss (IEC 61169-1) | Better than | Typical |
|---------------------------|-------------|----------|
| 0.3 - 500 MHz | -39 dB | -41.5 dB |
| 500 - 860 MHz | -39 dB | -41.5 dB |
| 860 - 1000 MHz | -39 dB | -41.5 dB |
| 1000 - 1750 MHz | -39 dB | -41.5 dB |
| 1750 - 2150 MHz | -39 dB | -41.5 dB |
| 2150 - 3000 MHz | -36 dB | -41.5 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

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|---------------|
| -5° to +50° C |
|---------------|

 Installing

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| -40° to +70° C |
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 Operating

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

Intermodulation

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|----------------------|
| IM3 |
| 3rd Order (@2x100mW) |
| -164 dBc |

Inner Conductor Resistance (@ 1 A DC)

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| Cable data |
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Sealing Test (IEC IP-code)

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

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| Cable data |
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O-rings

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|------|
| EPDM |
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Dielectric Strength DC Test Voltage

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| Cable data |
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Base Material

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

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| Cable data |
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 Inner Conductor

Max. Tensile Strength Overall

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| >20 Kgf |
| >196 N |

Plating

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| Nitin-6 |
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 Body Parts

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| Cable data |
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 Inner Conductor

Torsional Strength (Connector / Cable)

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|--------|
| * NATM |
|--------|

Insulators

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| Cabel data |
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Test performed by

| |
|-------------------|
| Susanne Lindharth |
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 Date of release

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|--------------|
| May 29, 2019 |
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Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

*Connector designed according to the standard IEC 61169-24 (type F)
 All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
 Further technical specifications and installation instructions can be obtained on request.*