


|                              |  |          |                            |   |          |
|------------------------------|--|----------|----------------------------|---|----------|
| Item no.                     | 99909631-03  |          | Connector type             | F-6-TD SELF INSTALL 4.9 NI  |          |
|                              |  |          | For cable                  | 280050  |          |
| Frequency Range              | 0.3 - 3000 MHz   |          | Product photo              |  |          |
| Impedance (Nom.)             | 75 Ohm   |          |                            |   |          |
| Amp. Rating (measured)       | Cable data   |          |                            |   |          |
| (calculated)                 | Cable data   |          |                            |   |          |
| Transfer Impedance (CoMeT)   | Class A++  |          |                            |   |          |
|                              | <0.9 mΩ/m @ 5-30MHz  |          |                            |   |          |
|                              | <0.18 mΩ/item @ 5-30MHz  |          |                            |   |          |
| Screening Attenuation(CoMeT) | Class A++  |          |                            |   |          |
|                              | >105 dB @ 30-1000MHz   |          |                            |   |          |
|                              | >95 dB @ 1000-2000MHz  |          |                            |   |          |
|                              | >85 dB @ 2000-3000MHz  |          |                            |   |          |
| Return Loss (IEC 61169-1)    | Better than  | Typical  | Insertion Loss Max.        | Better than   | Typical  |
| 0.3 - 500 MHz                | -35 dB   | -37.9 dB | 0.3 - 500 MHz              | -0.06 dB  | -0.01 dB |
| 500 - 860 MHz                | -35 dB   | -37.9 dB | 500 - 860 MHz              | -0.06 dB  | -0.01 dB |
| 860 - 1000 MHz               | -35 dB   | -37.9 dB | 860 - 1000 MHz             | -0.06 dB  | -0.01 dB |
| 1000 - 1750 MHz              | -34 dB   | -37.0 dB | 1000 - 1750 MHz            | -0.06 dB  | -0.01 dB |
| 1750 - 2150 MHz              | -34 dB   | -36.7 dB | 1750 - 2150 MHz            | -0.06 dB  | -0.01 dB |
| 2150 - 3000 MHz              | -29 dB   | -32.3 dB | 2150 - 3000 MHz            | -0.06 dB  | -0.01 dB |
|                              |  |          |                            |   |          |
|                              |  |          |                            |   |          |
| Temperature                  |  |          | Intermodulation            | IM3   |          |
| Installing                   | -5° to +50° C  |          | 3rd Order (@2x100mW)       | -133 dBc  |          |
| Operating                    | -40° to +70° C   |          | Inner Conductor Resistance | Cable data  |          |
| Storing                      | -40° to +70° C   |          | (@ 1 A DC)                 |   |          |
| Sealing Test                 |  |          | Insulation Resistance      | Cable data  |          |
| (IEC IP-code)                | IP X8 30 meter / 8 hours   |          | (@ 500 VDC)                |   |          |
| O-rings                      | EPDM   |          | Dielectric Strength        | Cable data  |          |
|                              |  |          | DC Test Voltage            |   |          |
| Base Material                |  |          | Max. Tensile Strength      | Cable data  |          |
| Body Parts                   | Brass CuZn39Pb3 / POM  |          | Overall                    | >24 Kgf   |          |
| Inner Conductor              | Cable data   |          |                            | >235 N  |          |
| Plating                      |  |          | Torsional Strength         | Cable data  |          |
| Body Parts                   | Nickel   |          | (Connector / Cable)        | * NATM  |          |
| Inner Conductor              | Cable data   |          | Test performed by          | Susanne Lindharth   |          |
| Insulators                   | Cabel data   |          | Date of release            | May 29, 2019  |          |
| 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.