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|------------------------------|--|----------------|----------------------------|--------------------|----------|
| Item no. | 99909484-04 | Connector type | IECM-6-TD 4.9 | | |
| | | For cable | 280050 | | |
| Frequency Range | 0.3 - 3000 MHz | | | | |
| Impedance (Nom.) | 75 Ohm | | | | |
| Amp. Rating (measured) | 5.5 A @ 10°C increase | | | | |
| (calculated) | 7,7 A @ 20°C increase | | | | |
| Transfer Impedance (CoMeT) | Class A | | | | |
| | <5.0 mΩ/m @ 5-30MHz | | | | |
| | <1.5 mΩ/item @ 5-30MHz | | | | |
| Screening Attenuation(CoMeT) | Class A+ | | | | |
| | > 95 dB @ 30-1000MHz | | | | |
| | > 85 dB @ 1000-2000MHz | | | | |
| | > 75 dB @ 2000-3000MHz | | | | |
| Return Loss (IEC 61169-1) | Better than | Typical | Insertion Loss Max. | Better than | Typical |
| 0.3 - 500 MHz | -19 dB | -22.3 dB | 0.3 - 500 MHz | -0.06 dB | -0.01 dB |
| 500 - 860 MHz | -18 dB | -21.3 dB | 500 - 860 MHz | -0.10 dB | -0.05 dB |
| 860 - 1000 MHz | -18 dB | -20.9 dB | 860 - 1000 MHz | -0.10 dB | -0.05 dB |
| 1000 - 1750 MHz | -16 dB | -18.9 dB | 1000 - 1750 MHz | -0.24 dB | -0.19 dB |
| 1750 - 2150 MHz | -15 dB | -17.9 dB | 1750 - 2150 MHz | -0.32 dB | -0.27 dB |
| 2150 - 3000 MHz | -13 dB | -16.2 dB | 2150 - 3000 MHz | -0.50 dB | -0.45 dB |
| | | | | | |
| | | | | | |
| Temperature | | | Intermodulation | IM3 | |
| Installing | -5° to +50° C | | 3rd Order (@2x+27dBm) | -160 dBc | |
| Operating | -40° to +70° C | | Inner Conductor Resistance | (<0.6 Cable data | |
| Storing | -40° to +70° C | | (@ 1 A DC) | | |
| Sealing Test | | | Insulation Resistance | | |
| (IEC IP-code) | - | | (@ 500 VDC) | >200 GΩ | |
| O-rings | - | | Dielectric Strength | | |
| | | | DC Test Voltage | >2.5 KV | |
| Base Material | | | Max. Tensile Strength | | |
| Body Parts | Brass / POM | | Overall | > 28 Kgf | |
| Inner Conductor | Beryllium copper | | | > 275 N | |
| Plating | | | Torsional Strength | | |
| Body Parts | Nitin | | (Connector / Cable) | * NATM | |
| Inner Conductor | Nitin | | Test performed by | Susanne Lindharth | |
| Insulators | PE | | Approved by | Søren Baldus-Kunze | |
| | | | Date of release | July 13, 2021 | |
| Remarks | * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip. Tensile strength can be limited by the strength of the cable. Please refer to the cable data. | | | | |



Connector designed according to the standard

All tests performed using instruments calibrated in accordance to our ISO 9001 certification.

Further technical specifications and installation instructions can be obtained on request.