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|------------------------------|-----------------------------|----------|----------------------------|---|----------|
| Item no. | 53024500-01 | | Connector type | FM-TL245 | |
| | | | For cable | CommScope cables F7SSEF | |
| Frequency Range | 0.3 - 3000 MHz | | Product photo |  | |
| Impedance (Nom.) | 75 Ω | | | | |
| Amp. Rating (measured) | 5.0 A @10°C increase | | | | |
| (calculated) | 7.0 A @20°C increase | | | | |
| Screening Attenuation(CoMeT) | Class A | | | | |
| | >85 dB @ 30-1000MHz | | | | |
| | >85 dB @ 1000-2000MHz | | | | |
| | >65 dB @ 2000-3000MHz | | | | |
| Return Loss (IEC 61169-1) | Better than | Typical | Insertion Loss Max. | Better than | Typical |
| 0.3 - 500 MHz | -37 dB | -39.8 dB | 0.3 - 500 MHz | -0.07 dB | -0.02 dB |
| 500 - 860 MHz | -36 dB | -39.3 dB | 500 - 860 MHz | -0.10 dB | -0.05 dB |
| 860 - 1000 MHz | -36 dB | -38.5 dB | 860 - 1000 MHz | -0.10 dB | -0.05 dB |
| 1000 - 1750 MHz | -32 dB | -34.5 dB | 1000 - 1750 MHz | -0.12 dB | -0.07 dB |
| 1750 - 2150 MHz | -30 dB | -33.3 dB | 1750 - 2150 MHz | -0.12 dB | -0.07 dB |
| 2150 - 3000 MHz | -28 dB | -31.2 dB | 2150 - 3000 MHz | -0.15 dB | -0.10 dB |
| | | | | | |
| | | | | | |
| Temperature | | | Intermodulation | IM3 | |
| Installing | -5° to +50° C | | 3rd Order (@2x+30dBm) | -125 dBc | |
| Operating | -40° to +70° C | | Inner Conductor Resistance | (<2.6 mΩ | |
| Storing | -40° to +70° C | | (@ 1 A DC) | | |
| Sealing Test | | | Insulation Resistance | (>29.9 GΩ | |
| (IEC IP-code) | IP X8 30 meter / 8 hours | | (@ 500 VDC) | | |
| O-rings | EPDM | | Dielectric Strength | (>2.0 KV | |
| | | | DC Test Voltage | | |
| Base Material | | | Max. Tensile Strength | (>23.4 N | |
| Body Parts | Brass CuZn39Pb3 | | Overall | | |
| Inner Conductor | Brass CuZn39Pb3 | | Inner Conductor | (>230 N | |
| | | | | | |
| Plating | | | Torsional Strength | (>0.3 Nm | |
| Body Parts | Nitin-6 | | (Connector / Cable) | | |
| Inner Conductor | Nitin-6 | | Test performed by | Sven-Erik Sandberg | |
| | | | Date of release | February 17, 2015 | |
| Insulators | COC (Topas) / PP with Glass | | | | |
| Remarks | | | | | |

All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
Further technical specifications and installation instructions can be obtained on request.