

Item no. **31000303-01**

Connector type **SP TL303**
For cable **CommScope CL 2.1 / 8.8**

Frequency Range **0.3 - 3000 MHz**
Impedance (Nom.) **75 Ω**
Amp. Rating (measured) **19.0 A @10°C increase**
(calculated) **26.8 A @20°C increase**

Product photo



Transfer Impedance (CoMeT) **Class A++**
<0.9 mΩ/m @ 5-30MHz
<0.1 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT) **Class A++**
>134 dB @ 30-1000MHz
>133 dB @ 1000-2000MHz
>115 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-39 dB	-42.1 dB
500 - 860 MHz	-39 dB	-42.1 dB
860 - 1000 MHz	-39 dB	-42.1 dB
1000 - 1750 MHz	-26 dB	-29.1 dB
1750 - 2150 MHz	-22 dB	-25.2 dB
2150 - 3000 MHz	-19 dB	-22.2 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.07 dB	-0.02 dB
500 - 860 MHz	-0.07 dB	-0.02 dB
860 - 1000 MHz	-0.08 dB	-0.03 dB
1000 - 1750 MHz	-0.09 dB	-0.04 dB
1750 - 2150 MHz	-0.09 dB	-0.04 dB
2150 - 3000 MHz	-0.11 dB	-0.06 dB

Temperature
Installing **-5° to +50° C**
Operating **-40° to +70° C**
Storing **-40° to +70° C**

Intermodulation **IM3**
3rd Order (@2x+37dBm) **-155 dBc**

Inner Conductor Resistance (@ 1 A DC) **<1.9 mΩ**

Sealing Test (IEC IP-code) **IP X8 30 meter / 8 hours**

Insulation Resistance (@ 500 VDC) **>200 GΩ**

O-rings **EPDM**

Dielectric Strength
DC Test Voltage **>3.5 KV**

Base Material
Body Parts **Brass CuZn39Pb3**
Inner Conductor **Brass CuZn39Pb3**

Max. Tensile Strength
Overall **>1766 N**
Inner Conductor **>225 N**

Plating
Body Parts **Nitin-6**
Inner Conductor **Nitin-6**

Torsional Strength (Connector / Cable) *** NATM**

Insulators **COC (Topas) / PP with Glass**

Test performed by **Søren B. Sørensen**
Date of release **October 04, 2013**

Remarks *** Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.**

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