

Item no.

31000243-01

Connector type

SP TL243

For cable

Alcatel 75S 1.1/7.3 CER

Frequency Range

0.3 - 3000 MHz

Impedance (Nom.)

75 Ω

Amp. Rating (measured)

12.0 A @10°C increase

(calculated)

16.9 A @20°C increase

Product photo



Transfer Impedance (CoMeT)

Class A+
<2.5 mΩ/m @ 5-30MHz
<0.19 mΩ/item @ 5-30MHz

Screening Attenuation(CoMeT)

Class A+
>100 dB @ 30-1000MHz
>95 dB @ 1000-2000MHz
>85 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-28 dB	-31.1 dB
500 - 860 MHz	-24 dB	-27.0 dB
860 - 1000 MHz	-23 dB	-25.6 dB
1000 - 1750 MHz	-22 dB	-24.8 dB
1750 - 2150 MHz	-22 dB	-24.8 dB
2150 - 3000 MHz	-15 dB	-17.6 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.08 dB	-0.03 dB
500 - 860 MHz	-0.09 dB	-0.04 dB
860 - 1000 MHz	-0.09 dB	-0.04 dB
1000 - 1750 MHz	-0.13 dB	-0.08 dB
1750 - 2150 MHz	-0.18 dB	-0.13 dB
2150 - 3000 MHz	-0.34 dB	-0.29 dB

Temperature
Installing

-5° to +50° C

Operating

-40° to +70° C

Storing

-40° to +70° C

Intermodulation IM3
3rd Order (@2x+37dBm)

-162 dBc

Inner Conductor Resistance (@ 1 A DC)

<0.2 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

>3.0 KV

Base Material
Body Parts

Brass CuZn39Pb3

Inner Conductor

Brass CuZn39Pb3

Max. Tensile Strength
Overall

>950 N

Inner Conductor

>200 N

Plating
Body Parts

Nitin-6

Inner Conductor

Nitin-6

Torsional Strength (Connector / Cable)

>2.0 Nm

Insulators

COC (Topas) / PP with Glass

Test performed by

Sven-Erik Sandberg

Date of release

January 23, 2014

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.