

Item no. 49054003-02

Connector type 3.5/12M-TL540TI
For cable CommScope QR 540 JCA

Frequency Range 0.3 - 3000 MHz
Impedance (Nom.) 75 Ω
Amp. Rating (measured) 16.0 A @10°C increase
(calculated) 22.6 A @20°C increase

Product photo



Transfer Impedance (CoMeT) Class A++
<0.9 mΩ/m @ 5-30MHz
<0.07 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT) Class A++
>130 dB @ 30-1000MHz
>130 dB @ 1000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-38 dB	--41.2 dB
500 - 860 MHz	-35 dB	-38.2 dB
860 - 1000 MHz	-33 dB	-35.6 dB
1000 - 1750 MHz	-27 dB	-30.3 dB
1750 - 2150 MHz	-27 dB	-30.3 dB
2150 - 3000 MHz	-27 dB	-30.3 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	-0.13 dB	-0.08 dB
2150 - 3000 MHz	-0.17 dB	-0.12 dB

Temperature Installing -5° to +50° C
Operating -40° to +85° C
Storing -40° to +85° C

Intermodulation 3rd Order (@2x+37dBm) IM3 -160 dBc

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

Inner Conductor Resistance (@ 1 A DC) 0.6 mΩ

O-rings EPDM

Insulation Resistance (@ 500 VDC) >200 GΩ

Base Material Body Parts Brass CuZn39Pb3
Inner Conductor Brass CuZn39Pb3

Dielectric Strength DC Test Voltage >3.5 KV

Plating Body Parts Nitin-6
Inner Conductor Nitin-6

Max. Tensile Strength Overall >1800 N
Inner Conductor >500 N

Insulators COC (Topas) / PP with Glass

Torsional Strength (Connector / Cable) 6.5 Nm

Test performed by Sven-Erik Sandberg
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