



Caledonian

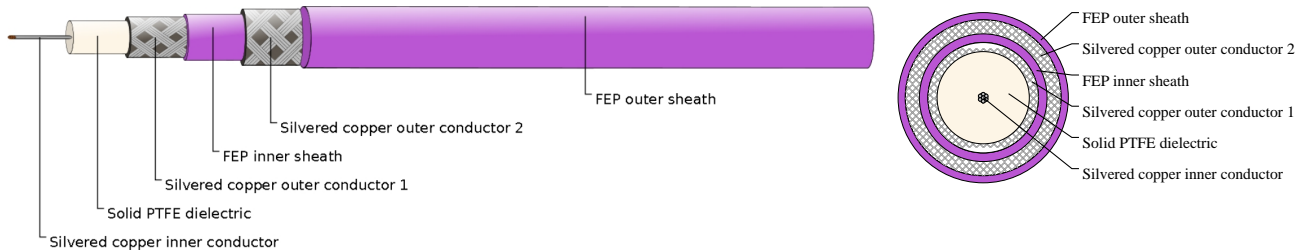
Coaxial Cables

www.caledonian-cables.com

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Triaxial Cables

Tri-RG180



Construction

Inner conductor	Silver plated copper covered steel (SCCS)	7 x 0.10 mm
Dielectric	Solid PTFE	$\Phi 2.60 \pm 0.10$ mm
Outer conductor(shield 1)	Silver plated copper (0.1mm)	$\Phi 3.15 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 3.60 \pm 0.10$ mm
Outer conductor(shield 2)	Silver plated copper (0.13mm)	$\Phi 4.40 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 4.80 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	Nom.95±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	70%
Inner conductor resistance	800.5 Ohm/Km
Outer conductor resistance	27.9 Ohm/Km
Operating temperature range	-55 °C - +200 °C
Operatig Voltage(max)	1 KV
Cable weight (approx.)	53 Kg/Km
Screening effectiveness	>60 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	21	6.4
200	30	9.1
400	43	13.1
900	65	19.8
1200	76	23.2



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1500	85	25.9
1800	94	36.928.7
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2500	111	33.8