

# Triaxial Cables

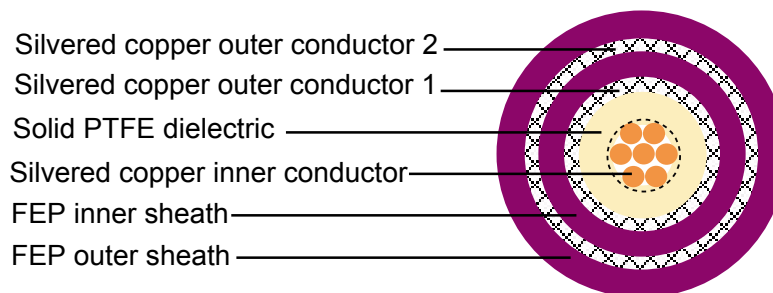
## Tri-RG180

### 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%
Insulation resistance	- Mohm.Km
Inner conductor resistance	800.5 Ohm/Km
Outer conductor resistance	27.9 Ohm/Km
Operatig Voltage(max)	1.0 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	53 Kg/Km
Screening effectiveness	>60 dB



### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	21	6.4
200	30	9.1
400	43	13.1
900	65	19.8
1200	76	23.2
1500	85	25.9
1800	94	28.7
2000	99	30.2
2500	111	33.8