

Flexible High Temperature RF Cable

multicomp PRO

**RoHS
Compliant**



Cable Description

Inner Conductor **Stranded SCCS 7/0.102mm**

Conductor Dia. : 0.305 ±0.025mm
Min. Break Strength : 45N

Insulation **PTFE**

Insulation Dia. : 0.86 ±0.03mm
Colour : Neutral
Centricity : ≥ 90%
Adhesion : 4.5 to 45N @ 76mm

Outer Conductor 1° **SC Wire Braiding**

Outer Conductor Dia. : 1.3 ±0.1mm
Coverage : 95 ±3%

Inner Jacket **FEP**

Outer Dia. : 1.82 ±0.1mm
Min. Thickness : 0.24mm
Colour : Brown
Adhesion : 20 to 120N @ 50mm

Outer Conductor 2° **SC Wire Braiding**

Outer Conductor Dia. : 2.2 ±0.1mm
Coverage : 95 ±3%

Outer Jacket **FEP**

Outer Dia. : 2.85 ±0.1mm
Min. Thickness : 0.3mm
Colour : Brown
Adhesion : 20 to 120N @ 50mm

Electrical Characteristics

Characteristic Impedance : 50 ±2Ω
Capacitance : 98pF/m
Velocity Ratio (200 Mhz) : 70%
DCR: Inner Conductor : < 800Ω/km
Voltage Withstand : 2000Vrms
Jacket Spark : 2000Vrms
Insulation Resostance : >5,000MΩ.km
Signal Delay : 4.79ns/m
Max. Operating Voltage : 750Vrms

Mechanical Characteristics

Min. Bending Radius

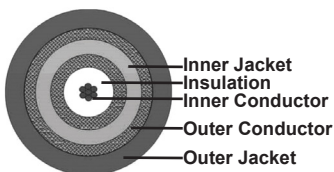
Installation : 15mm

Rated Temperature

Installation / Operating : -55°C to +200°C
Storage : -55°C to +200°C

SRL	Frequency Range	Attenuation
50-100MHz	>26dB	
100-400MHz	>22dB	
400-1000MHz	>19dB	
1000-3000MHz	>14dB	

Diagram



Part Number Table

Description	Part Number
Triaxial Cable, 7 × 0.102mm, 50Ω, 1m	PP000842

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