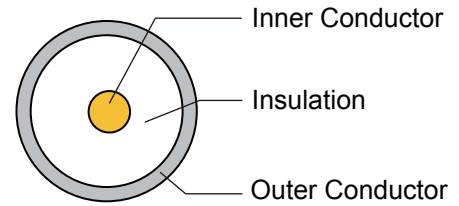


.141 Semi-Flexible Coaxial Cable

 Product No. **D14101C5ST**

Structure Figure



Inner Conductor

Material
Silver plated copper wire

Constructor
1x0.94 mm

Diameter
0.94 mm / 0.037 in

Insulation

Material
Solid PTFE

Diameter
2.95 mm / 0.116 in

Outer Conductor (Braid)

Material
Tin-soaked copper Braid

Coverage
100%

Diameter
3.60 mm / 0.141 in

Electrical Properties

Description	Specification
Impedance	50 ± 2 Ω
Capacitance	Mom. 94 pF/m
Velocity of signal propagation	71%
Signal delay	4.8 ns/m
Working voltage, AC r.m.s.	2500 max
Attenuation, typical values (nominal values at an air temperature of +25°C)	See Table
Power, typical values (ambient temperature of 40°C at sea level and VSWR 1.0)	See Table
Suitable for frequencies	up to 20 GHz
Shielding effectiveness	typically <-130dB/m

Environmental & Mechanical

Description	Specification
Minimum bend radius (MBR) single bend (installation)	single bend: 10mm
Minimum bend radius (MBR) dynamic use	multiple bends: 40mm
Flame resistance	passes IEC 60332-3 Cat A
Flammability	UL 94 V-0
Connectors	As semi-rigid M17/130-RG 402
Weight	44 kg/km
Temperature rating	-40 / +165°C

Attenuation & Power

Frequency (MHz)	1000	2000	3000	4000	5000	6000	10000	12000	15000	18000
dB/100m	40	58	73	86	98	110	151	170	195	220
Average Power (W)	550	390	320	280	250	230	175	150	145	130