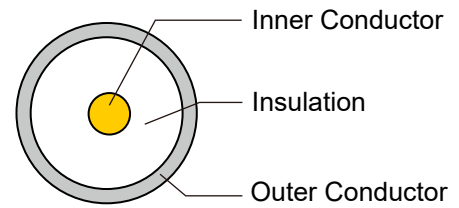


.085 Semi-Flexible Coaxial Cable

 Product No. **D08501C5ST**

Structure Figure



Inner Conductor

Material
Silver plated copper covered steel

Diameter
0.53 mm

Insulation

Material
Solid extruded PTFE

Diameter
1.65 mm

Outer Conductor (Braid)

Material
Tin-soaked tin plated copper

Diameter
2.11mm

Electrical Properties

Description	Specification
Impedance	50 ± 2 Ω
Capacitance	Mom. 94 pF/m
Velocity of signal propagation	70%
Signal delay	4.8 ns/m
Working voltage, AC r.m.s.	1500 max
Working voltage, DC	3000 max
Attenuation, typical values (nominal values at an air temperature of +20°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 18 GHz
Shielding effectiveness	typically <-130dB/m

Environmental & Mechanical

Description	Specification
Minimum bend radius (MBR) single bend (installation)	single bend: 6mm
Minimum bend radius (MBR) dynamic use	multiple bends: 25mm
Flame resistance	passes IEC 60332-3-24
Flammability	UL 94 V-0
Connectors	As semi-rigid M17/133-RG 405
Weight	15 kg/km
Temperature rating	-65~ +180°C
SRLdB up to 18G	-19 Max

Attenuation & Power

Frequency (MHz)	400	1000	2000	3000	4000	5000	6000	10000	18000
dB/100m	43	70	102	131	153	172	190	249	346
Average Power (W)	253	157	110	89	77	69	63	47	33