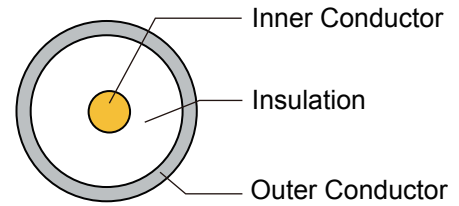


.085 Semi-Flexible Coaxial Cable

 Product No. **D08501C5ST**

Structure Figure



Inner Conductor

Material
Silver plated copper

Constructor
1x0.56 mm

Diameter
0.56 mm / 0.022 in

Insulation

Material
Solid extruded PTFE

Diameter
1.70 mm / 0.066 in

Outer Conductor (Braid)

Material
Tin-soaked tin plated copper

Diameter
2.20 mm / 0.086 in

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	-40 / +165°C

Attenuation & Power

Frequency (MHz)	400	1000	1800	2000	2400	3000	5000	10000	18000
dB/100m	43	70	97	102	113	127	172	249	346
Average Power (W)	253	157	116	110	100	89	69	47	33