

**Flexible cable 1/50 S (50 vmtx type)****P/N:ST291050066****APPLICATION NOTE**

The very small outer diameter and bending moment of this cable allow very easy routing during installation.

Its very light weight makes it perfect to be used in all miniature and space saving applications.

The insulation and jacket materials allow this cable to be used in severe thermal conditions.

CONSTRUCTION / DIMENSIONS

	Material	mm	Inches
Center conductor	Solid SPC ⁽¹⁾	0.17	0.007
Dielectric	Solid PTFE ⁽²⁾	0.52	0.020
Inner shield	SPC ⁽¹⁾ braid	0.70	0.028
Outer shield	-	-	-
Jacket	White FEP ⁽³⁾	1.17	0.046

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50Ω ± 5Ω	
Operating frequency range	DC - 3 GHz	
Shielding effectiveness	40 dB	
Voltage withstanding	19 000 V rms	
Peak power	7 kW	
Capacitance	94 pF / m	28.5 pF / ft
Velocity of propagation	69 % (4.8 ns / m)	