



Hand-formable cable .141 (Jacketed)



P/N: ST291 866378

APPLICATION NOTE

This jacketed cable will be used instead of standard unjacketed .141 for applications requiring electrical insulation and/or protection against environmental aggressions (chemical, humidity...).

The FEP jacket allows this cable to be used under severe thermal conditions.

The jacket slightly increases the spring back effect.

CONSTRUCTION / DIMENSIONS

	Material	mm	Inches
Center conductor	Solid SPC ⁽¹⁾	0.92	0.036
Dielectric	Solid PTFE ⁽²⁾	2.98	0.117
Inner shield	TS ⁽³⁾ braid	3.50	0.138
Outer shield	-	-	-
Jacket	Black FEP ⁽⁴⁾	4.05	0.159

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50Ω ± 2Ω	
Operating frequency range	DC - 20 GHz	
Shielding effectiveness	90 dB	
Voltage withstanding	5 000 V rms	
Peak power	3.4 kW	
Capacitance	97.5 pF / m	29.5 pF / ft
Velocity of propagation	70 % (4.8 ns / m)	