

# SM-086-50 FEP

## Radio frequency, semi-flexible coaxial cable, 50Ω



Physical properties			
1) Inner conductor	Silver plated copper clad steel wire		0.53mm (0.0209 inch)
2) Dielectric	Solid PTFE(Poly tetra fluoro ethylene)		1.65mm (0.065 inch)
3) Outer conductor	Tin plated copper braid & Tin soaked		2.10mm (0.083 inch)
4) Jacket	Fluorinated Ethylene Propylene_ Optional color		2.50mm (0.098 inch)
Mechanical properties			
1) Operating temperature	-40°C ~ 165°C		
2) Bending radius-static	Min. 6mm(0.24 inch)		
3) Weight	17kg/km		
Electrical properties			
1) Suitable for frequency	GHz	Max. 20	
2) Capacitance	nF/km	95	
3) Characteristic impedance	Ω	50	
4) Velocity of propagation	%	69.5	
5) Attenuation	500MHz	dB/m	0.49
	1GHz		0.72
	3GHz		1.30
	5GHz		1.64
	10GHz		2.63
	20GHz		4.27

\*This technical data sheet subject to change without notice

TITLE: Technical Date Sheet (SM-086-50 FEP)			DOC. NO.	Revision
			SM086-50F	<b>0</b>
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