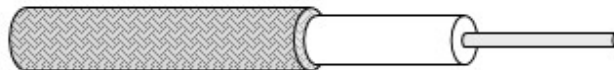


SM-141-50

Radio frequency, semi-flexible coaxial cable, 50Ω



Physical properties			
1) Inner conductor	Silver plated copper clad steel wire		0.95mm (0.037inch)
2) Dielectric	Solid PTFE(Poly tetra fluoro ethylene)		2.95mm (0.116inch)
3) Outer conductor	Tin plated copper braid & Tin soaked		3.58mm (0.141inch)
Mechanical properties			
1) Operating temperature	-40°C ~ 165°C		
2) Bending radius-static	Min. 8mm(0.31 inch)		
3) Weight	39kg/km		
Electrical properties			
1) Suitable for frequency	GHz	Max. 20	
2) Capacitance	nF/km	94	
3) Characteristic impedance	Ω	50	
4) Velocity of propagation	%	71	
5) Attenuation	500MHz	dB/m	0.26
	1GHz		0.40
	3GHz		0.70
	5GHz		0.95
	10GHz		1.48
	20GHz		2.30

*This technical data sheet subject to change without notice

TITLE: Technical Date Sheet (SM-141-50)			DOC. NO.	Revision
Date of issue:	Revision date	Reference Specification	SM141-50	0
2017. 01. 31		Customized Version	Sheet 1 of 1	