

CABLES

**HAND-FORMABLE COAXIAL CABLE
ALTERNATIVE TO SEMI-RIGID**



SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS	
Type de câble / Cable type	Semi-flexible alternative to .085" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +150 °C
Rayon de courbure minimum / Minimum bend radius	5.4 mm
Poids / Weight	16 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS	
Frequence d'utilisation / Frequency range	DC ~ 26.5 GHz (up to 40 or 65 GHz optional)
Impédance / Impedance	50 Ohms
Capacité / Capacitance	98 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.70 ns/m
Tension d'utilisation / Voltage Withstand	1500 Vdc / 3000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS	
Conducteur central / Inner conductor	SPC wire Ø 0.53 mm
Diélectrique / Dielectric	PTFE Ø 1.65 mm
Conducteur extérieur / Outer conductor	TPC braid Ø 2.17 mm
Gaine et Couleur / Jacket and Color	Unjacketed

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING											
Frequency (MHz)	100	1000	2000	4000	6000	8000	10000	12000	16000	18000	26500
Typical attenuation (dB/m)	0,215	0,721	1,053	1,556	1,969	2,335	2,671	2,986	3,571	3,847	4,935
Typical attenuation (dB/m) = ((2.09722 x √(FMHz)) + (0.00574 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	316	100	71	50	41	35	32	29	25	24	19
Max power handling (W/cw) = 100 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

