

CABLES

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



**P/N: HY401FORM**

<b>SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS</b>	
Type de câble / Cable type	Semi-flexible alternative to .250" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +150 °C
Rayon de courbure minimum / Minimum bend radius	30 mm
Poids / Weight	129 kg/km

<b>SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS</b>	
Frequence d'utilisation / Frequency range	DC ~ 18 GHz
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	5000 Vdc / 10000 Vrms

<b>CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS</b>	
Conducteur central / Inner conductor	SPC wire Ø 1.68 mm
Diélectrique / Dielectric	PTFE Ø 5.31 mm
Conducteur extérieur / Outer conductor	TPC braid Ø 6.35 mm
Gaine et Couleur / Jacket and Color	Unjacketed

<b>ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING</b>											
Frequency (MHz)	100	500	1000	2000	4000	6000	8000	10000	12000	15000	18000
Typical attenuation (dB/m)	0,069	0,163	0,240	0,359	0,548	0,708	0,854	0,990	1,120	1,305	1,483
Typical attenuation (dB/m) = ((0.65217 x √(FMHz)) + (0.003378 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	2641	1181	835	590	418	341	295	264	241	216	197
Max power handling (W/cw) = 835 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

