

CABLES

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



P/N: HY047FORMFEP

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS	
Type de câble / Cable type	Semi-flexible alternative to .047" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +150 °C
Rayon de courbure minimum / Minimum bend radius	2.5 mm
Poids / Weight	7.9 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	500 Vdc / 1000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS	
Conducteur central / Inner conductor	SPC wire Ø 0.29 mm
Diélectrique / Dielectric	PTFE Ø 0.88 mm
Conducteur extérieur / Outer conductor	TPC braid Ø 1.14 mm
Gaine et Couleur / Jacket and Color	Blue FEP Ø 1.44 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING											
Frequency (MHz)	100	1000	2000	4000	6000	8000	10000	12000	16000	18000	26500
Typical attenuation (dB/m)	0,380	1,240	1,787	2,594	3,239	3,801	4,310	4,781	5,642	6,043	7,597
Typical attenuation (dB/m) = ((3.7419 x √(FMHz)) + (0.00568 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	82	45	32	23	18	16	14	13	11	11	9
Max power handling (W/cw) = 45 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

