

**HAND-FORMABLE COAXIAL CABLE
ALTERNATIVE TO SEMI-RIGID****P/N: HY401FORMFEP****SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS**

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	12.7 mm
Poids / Weight	140 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

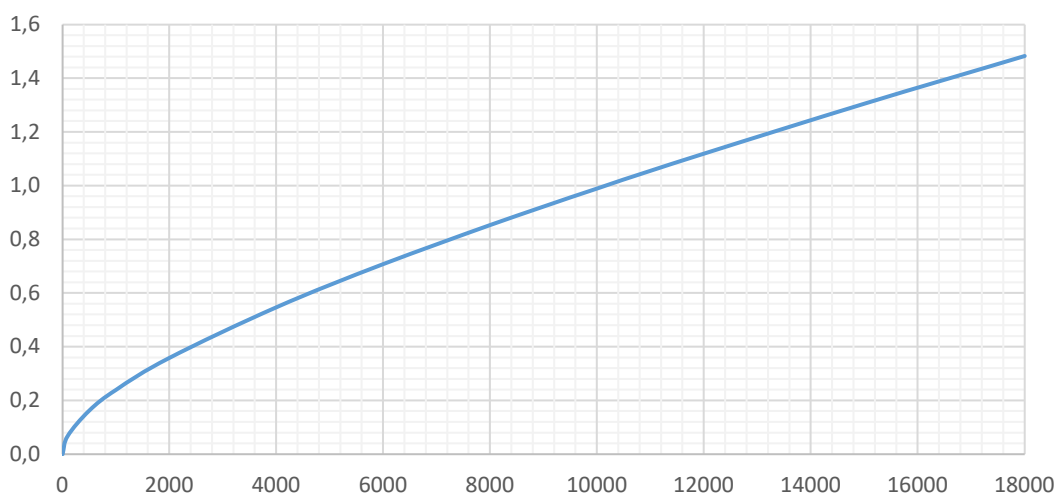
Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	98 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.70 ns/m
Tension d'utilisation / Voltage Withstand	5000 Vdc / 10000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

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	Blue FEP Ø 6.90 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

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 $\sqrt{f}$ (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 ÷ $\sqrt{f}$ (FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

ATTENUATION (dB/m) / TYPICAL ATTENUATION (dB/m) vs FREQUENCY (MHz)

HYTEM - ISO9001 CERTIFIED

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