

**FLEXIBLE COAXIAL CABLE
ALTERNATIVE TO SEMI-RIGID****P/N: HY401MF****SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS**

Type de câble / Cable type	Flexible alternative to .250" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +125 °C
Rayon de courbure minimum / Minimum bend radius	40 mm (stat) / 80 mm (dyn)
Poids / Weight	142 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

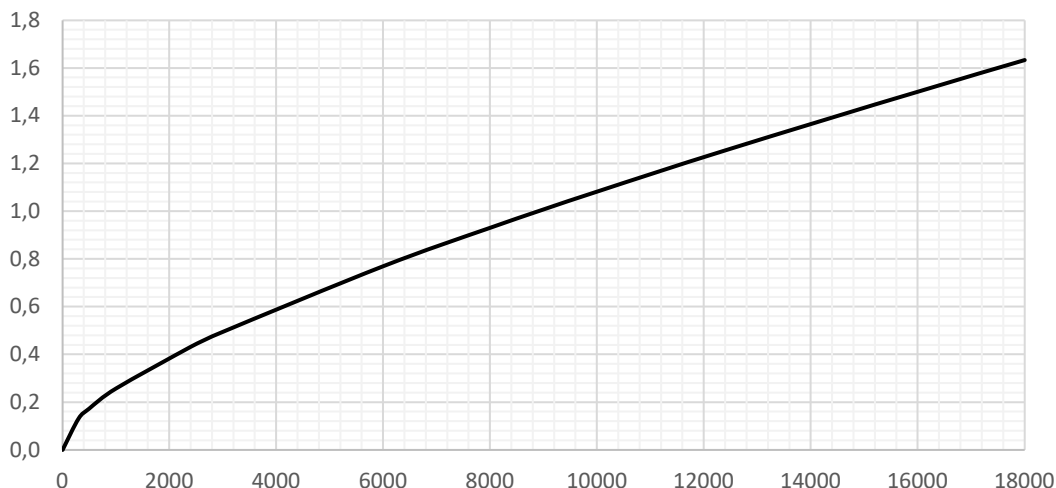
Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	96.1 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	90 dB (min)
Retard linéique / Time delay	4.76 ns/m
Tension d'utilisation / Voltage Withstand	2000 Vdc / 4000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	SPC wire Ø 1.63 mm
Diélectrique / Dielectric	PTFE Ø 5.28 mm
Conducteur extérieur / Outer conductor	SPC foil Ø 5.75 mm
Tresse de blindage / Shield braid	SPC 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)	300	500	1000	2400	3000	6000	8000	10000	12400	16000	18000
Typical attenuation (dB/m)	0,131	0,174	0,257	0,432	0,495	0,770	0,931	1,083	1,255	1,501	1,633
Typical attenuation (dB/m) = ((0.688976 x v(FMHz)) + (0.003937 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	2418	1831	1244	747	654	425	353	305	264	228	204
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

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

HYTEM - ISO9001 CERTIFIED

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