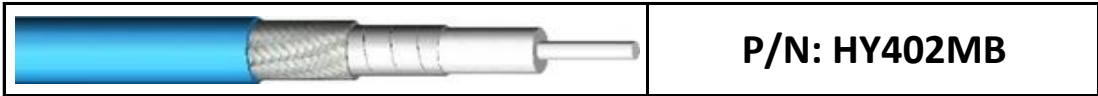


CABLES

**MULTIBEND COAXIAL CABLE
ALTERNATIVE TO SEMI-RIGID**



P/N: HY402MB

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Type de câble / <i>Cable type</i>	Flexible alternative to .141" semi-rigid
Températures d'utilisation / <i>Temperature range</i>	-65 °C ~ +125 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	20 mm (stat) / 40 mm (dyn)
Poids / <i>Weight</i>	49 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 18 GHz
Impédance / <i>Impedance</i>	50 Ohms
Capacité / <i>Capacitance</i>	96.1 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	70 %
Efficacité de blindage / <i>Shielding effectiveness</i>	90 dB (min)
Retard linéique / <i>Time delay</i>	4.76 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	1500 Vdc / 2000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	SPC wire Ø 0.91 mm
Diélectrique / <i>Dielectric</i>	PTFE Ø 3.00 mm
Conducteur extérieur / <i>Outer conductor</i>	SPC foil Ø 3.20 mm
Tresse de blindage / <i>Shield braid</i>	SPC braid Ø 3.58 mm
Gaine et Couleur / <i>Jacket and Color</i>	Blue FEP Ø 4.06 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	300	1000	2000	4000	6000	8000	10000	12000	16000	18000	26500
Typical attenuation (dB/m)	0,199	0,382	0,563	0,842	1,075	1,283	1,476	1,658	1,999	2,161	2,805
Typical attenuation (dB/m) = ((1.0824 x √(FMHz)) + (0.003937 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	512	267	181	121	95	80	69	62	51	47	36
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)

