

CABLES

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



P/N: HY402FORM

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	Semi-flexible alternative to .141" semi-rigid
Températures d'utilisation / Temperature range	-65 °C ~ +150 °C
Rayon de courbure minimum / Minimum bend radius	9.5 mm
Poids / Weight	41 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 26.5 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	2500 Vdc / 5000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	SPC wire Ø 0.94 mm
Diélectrique / Dielectric	PTFE Ø 2.92 mm
Conducteur extérieur / Outer conductor	TPC braid Ø 3.55 mm
Gaine et Couleur / Jacket and Color	Unjacketed

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	100	1000	2000	4000	6000	8000	10000	12000	16000	18000	26500
Typical attenuation (dB/m)	0,121	0,410	0,604	0,903	1,151	1,374	1,579	1,774	2,137	2,309	2,994
Typical attenuation (dB/m) = $((1.16548 \times \sqrt{f(\text{MHz})}) + (0.00414 \times f(\text{MHz}))) / 100$ with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	996	315	223	158	129	111	100	91	79	74	61
Max power handling (W/cw) = $315 \div \sqrt{f(\text{GHz})}$ with VSWR = 1.0, Temperature = 25 °C and sea level											

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

