

35 Ohms - HAND-FORMABLE COAXIAL CABLE ALTERNATIVE TO SEMI-RIGID



REF : HY402FORM-35

SPECIFICATIONS MECANQUES / 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	8 mm
Poids / Weight	52 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	35 Ohms +/- 3
Capacité / Capacitance	135 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	100 dB (min)
Retard linéique / Time delay	4.70 ns/m
Tension d'utilisation / Voltage Withstand	2000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	SPC wire Ø 1,29 mm
Diélectrique / Dielectric	PTFE Ø 2.98 mm
Blindage / Shielding	N/A
Conducteur extérieur / Outer conductor	TPC braid Ø 3.50 mm
Gaine et Couleur / Jacket and Color	Unjacketed

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (GHz)	1	2	3	5	10	18					
Typical attenuation (dB/m)	0,430	0,640	0,820	1,120	1,760	2,630					
Typical attenuation (dB/m) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	390	275	225	174	123	90					
Max power handling (W/cw) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

