CABLES

NON MAGNETIC HAND-FORMABLE COAXIAL CABLE

REF : HY405FORMNM

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	Non Magnetic .085" hand conformable
Températures d'utilisation / *Temperature range*	-65 °C ~ +150 °C
Rayon de courbure minimum / *Minimum bend radius*	5.4 mm
Poids / *Weight*	16 kg/km

SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 26.5 GHz (up to 40 or 65 GHz optional)
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*	1500 Vdc / 3000 Vrms

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	SPC wire Ø 0.53 mm
Diélectrique / *Dielectric*	PTFE Ø 1.65 mm
Conducteur extérieur / *Outer conductor*	TPC braid Ø 2.17 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)	0,215	0,721	1,053	1,556	1,969	2,335	2,671	2,986	3,571	3,847	4,935
Typical attenuation (dB/m) = ((2.09722 x √(FMHz)) + (0.00574 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	316	100	71	50	41	35	32	29	25	24	19
Max power handling (W/cw) = 100 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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