CABLES

PHASE STABLE OVER TEMPERATURE
FLEXIBLE MICROWAVE COAXIAL CABLE



REF : HY405PS

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	Flexible alternative to .085" semi-rigid
Températures d'utilisation / *Temperature range*	-65 °C ~ +150 °C
Rayon de courbure minimum / *Minimum bend radius*	9 mm (stat)
Poids / *Weight*	22 kg/km

SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 50 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	83,37 pF/m
Vitesse de propagation / *Velocity of propagation*	79,4 %
Efficacité de blindage / *Shielding effectiveness*	N/A
Retard linéique / *Time delay*	4.22 ns/m
Tension d'utilisation / *Voltage Withstand*	N/A

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	SPCCS wire Ø 0.574 mm
Diélectrique / *Dielectric*	Foamed Fluoropolymer Ø 1.615 mm
Tresse de blindage / *Inner shield braid*	SPC foil
Feuillard inter-blindage / *Interlayer*	SPC braid Ø 2.1 mm
Seconde tresse de blindage / *Outer shield braid*	N/A
Gaine / *Jacket*	Blue FEP Ø 2.54 mm

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*											
Frequency (MHz)	1000	2000	4000	8000	12000	18000	26500	30000	34000	40000	50000
Typical attenuation (dB/m)	0,6452	0,9296	1,349	1,9763	2,4849	3,1401	3,9464	4,2517	4,5866	5,0663	5,8187
Typical attenuation (dB/m) = ((0,5937 x √(FMHz)) + (0.000892 x FMHz))/30,48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	135,7	94,2	64,9	44,3	35,2	27,9	22,2	20,5	19,1	17,3	15
Max power handling with VSWR = 1.0, Temperature = 23 °C, sea level,											

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

