

LOW LOSS HIGHLY FLEXIBLE MICROWAVE COAXIAL CABLE



REF : HY270L

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS	
Températures d'utilisation / Temperature range	-55 °C ~ +200 °C
Rayon de courbure minimum / Minimum bend radius	35.6 mm (stat) / 71.2 mm (dyn)
Poids / Weight	104.2 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS	
Frequence d'utilisation / Frequency range	DC ~ 18 GHz
Impédance / Impedance	50 ±2 Ohms
Capacité / Capacitance	80 pF/m
Vitesse de propagation / Velocity of propagation	83 %
Efficacité de blindage / Shielding effectiveness	95 dB (min)
Retard linéique / Time delay	4.04 ns/m
Tension d'utilisation / Voltage Withstand	3000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS	
Conducteur central / Inner conductor	Stranded SPC wire Ø 1.73 mm
Diélectrique / Dielectric	Expanded PTFE Tape Ø 4.70 mm
Tresse de blindage / Inner shield braid	SPC Strip Ø 4.95 mm
Feuillard inter-blindage / Interlayer	Aluminium Polyester Tape Ø 5.08 mm
Seconde tresse de blindage / Outer shield braid	SPC Braid Ø 5.59 mm
Gaine et Couleur / Jacket and Color	Green FEP Ø 6.86 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING												
Frequency (MHz)	1000	2000	3000	4000	5000	6000	8000	10000	12000	16000	18000	
Typical attenuation (dB/m)	0,216	0,309	0,381	0,442	0,497	0,547	0,636	0,716	0,789	0,922	0,982	
Typical attenuation (dB/m) = (0.204 x √(FMHz)) + (0.000143 x FMHz) ÷ 30.48 with VSWR = 1.0 and Temperature = 25 °C												
Max power handling (W/cw)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

