

MICROWAVE LOW LOSS FLEXIBLE COAXIAL CABLE



REF : HY1220

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Températures d'utilisation / Temperature range	-55 °C ~ +200 °C
Rayon de courbure minimum / Minimum bend radius	68.6 mm (stat) / 137.2 mm (dyn)
Poids / Weight	293.2 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 10 GHz
Impédance / Impedance	50 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	6000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Stranded SPC wire Ø 4.06 mm
Diélectrique / Dielectric	Expanded PTFE Tape Ø 10.67 mm
Tresse de blindage / Inner shield braid	SPC Strip Ø 10.97 mm
Feuillard inter-blindage / Interlayer	---
Seconde tresse de blindage / Outer shield braid	SPC Braid Ø 11.48 mm
Gaine / Jacket	FEP Ø 12.19 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	100	200	400	1000	2000	3000	4000	5000	6000	8000	10000
Typical attenuation (dB/m)	0,031	0,044	0,062	0,101	0,147	0,184	0,216	0,246	0,273	0,322	0,367
Typical attenuation (dB/m) = (0.091 x √(FMHz)) + (0.00021 x FMHz) ÷ 30.48 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	---	---	5430	3340	2230	1830	1550	1370	1220	1030	910

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

