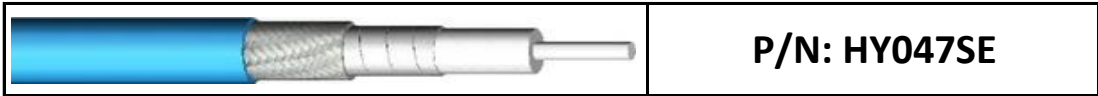


**CABLES**

**HIGH FREQUENCY MULTIBEND COAXIAL CABLE**



**P/N: HY047SE**

**SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS**

Type de câble / <i>Cable type</i>	Flexible alternative to .047" semi-rigid
Températures d'utilisation / <i>Temperature range</i>	-55 °C ~ +200 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	5 mm (stat) / 10 mm (dyn)
Poids / <i>Weight</i>	5 kg/km

**SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS**

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 65 GHz
Impédance / <i>Impedance</i>	50 Ohms
Capacité / <i>Capacitance</i>	96.1 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	70 %
Efficacité de blindage / <i>Shielding effectiveness</i>	100 dB (min)
Retard linéique / <i>Time delay</i>	4.76 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	500 Vdc / 1000 Vrms

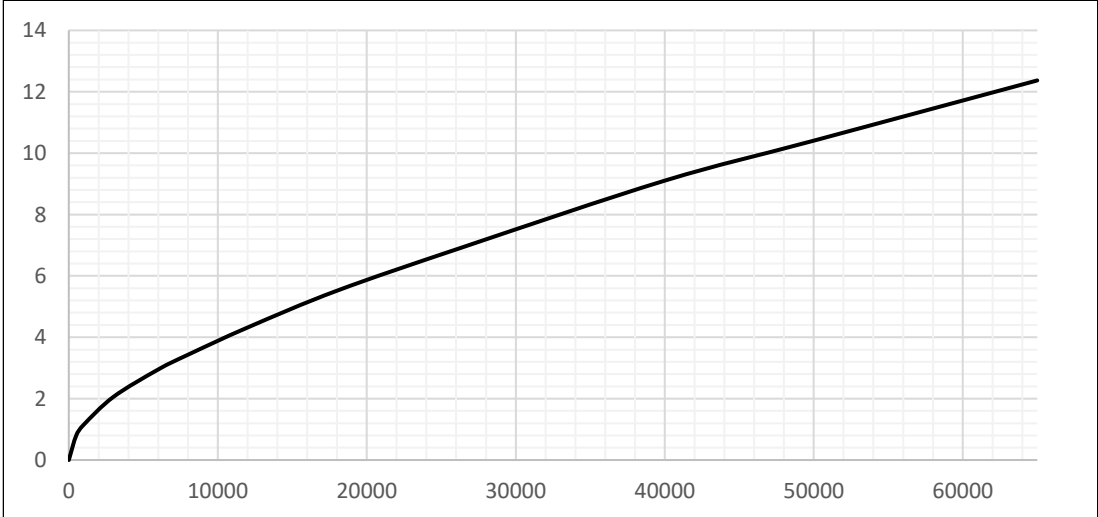
**CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS**

Conducteur central / <i>Inner conductor</i>	SPCCS wire Ø 0.29 mm
Diélectrique / <i>Dielectric</i>	PTFE Ø 0.94 mm
Conducteur extérieur / <i>Outer conductor</i>	SPC foil Ø 1.02 mm
Tresse de blindage / <i>Shield braid</i>	SPC braid Ø 1.19 mm
Gaine et Couleur / <i>Jacket and Color</i>	Blue FEP Ø 1.42 mm

**ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING**

Frequency (MHz)	500	1000	3000	6000	8000	12000	18000	26500	40000	50000	65000
Typical attenuation (dB/m)	0,801	1,149	2,059	2,950	3,431	4,318	5,518	6,944	9,104	10,407	12,369
Typical attenuation with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	82	42	23	16	14	12	9	7	6	5	4
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

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



HYTEM - ISO9001 CERTIFIED

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