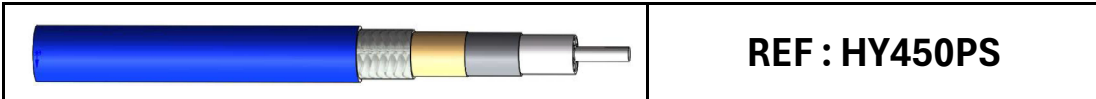


CABLES

**PHASE STABLE OVER TEMPERATURE
FLEXIBLE MICROWAVE COAXIAL CABLE**



REF : HY450PS

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	
Températures d'utilisation / Temperature range	-55 °C ~ +125 °C
Rayon de courbure minimum / Minimum bend radius	21 mm (stat) / 43 mm (dyn)
Poids / Weight	46 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 26,5 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	80 pF/m
Vitesse de propagation / Velocity of propagation	82 %
Efficacité de blindage / Shielding effectiveness	100 dB (min)
Retard linéique / Time delay	4.02 ns/m
Tension d'utilisation / Voltage Withstand	2500 V

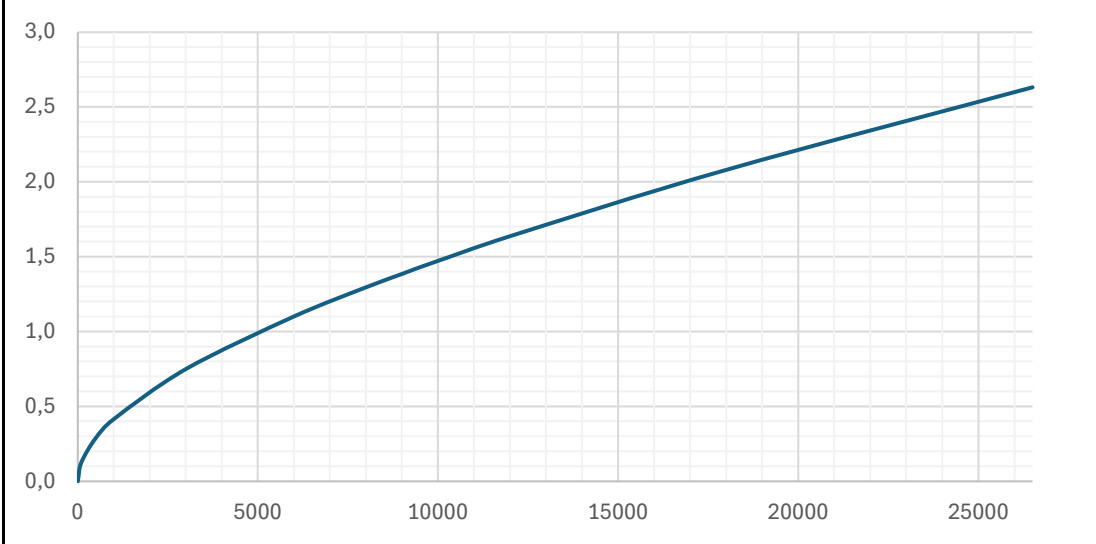
CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Solid SPC wire Ø 1,12 mm
Diélectrique / Dielectric	Proprietary Ø 3,10 mm
Tresse de blindage / Inner shield braid	Flat SPC Ø 3,3 mm
Feuillard inter-blindage / Interlayer	Al foil Ø 3,45 mm
Seconde tresse de blindage / Outer shield braid	SPC wire Ø 3,90 mm
Gaine / Jacket	FEP Ø 4,30 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	100	500	1000	3000	6000	8000	9000	10000	12000	18000	26500
Typical attenuation (dB/m)	0,127	0,289	0,416	0,749	1,100	1,295	1,385	1,472	1,637	2,080	2,631
Typical attenuation (dB/m) = (1,24209375 x √(FMHz)) + (0,0023 x FMHz) ÷ 100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	2339	1023	725	395	269	228	214	201	181	142	112

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



HYTEM - ISO9001 CERTIFIED

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Ref : HY450PS

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Specific parameters

Phase Change VS Bending (°/GHz)

±0.3

Phase Change VS Temperature

≤350 PPM @ -55 / +85°C

