

LOW LOSS FLEXIBLE MICROWAVE COAXIAL CABLE



REF : HY360

SPECIFICATIONS MECANQUES / MECHANICAL SPECIFICATIONS

Températures d'utilisation / <i>Temperature range</i>	-55 °C ~ +165 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	18 mm (stat) / 36 mm (dyn)
Poids / <i>Weight</i>	33 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 40 GHz
Impédance / <i>Impedance</i>	50 Ohms
Capacité / <i>Capacitance</i>	80 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	83 %
Efficacité de blindage / <i>Shielding effectiveness</i>	90 dB (min)
Retard linéique / <i>Time delay</i>	4.02 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	1000 V

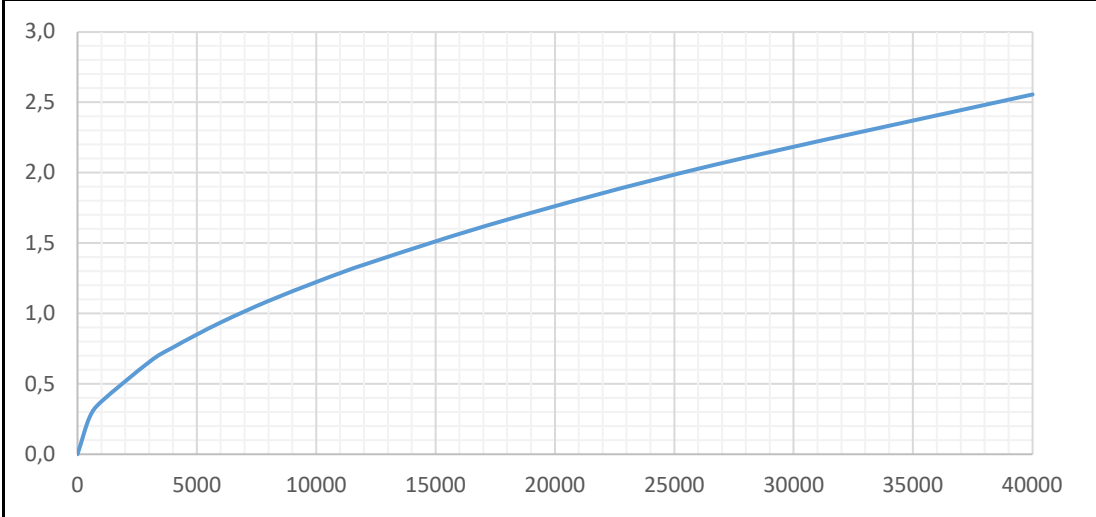
CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	Solid SPC wire Ø 0,91 mm
Diélectrique / <i>Dielectric</i>	Low Density PTFE Ø 2,50 mm
Tresse de blindage / <i>Inner shield braid</i>	N/A
Feuillard inter-blindage / <i>Interlayer</i>	SPC strip Ø 2,66 mm
Seconde tresse de blindage / <i>Outer shield braid</i>	SPC wire Ø 3,11 mm
Gaine / <i>Jacket</i>	FEP Ø 3,60 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	500	1000	3000	4000	6000	8000	10000	12400	18000	26500	40000
Typical attenuation (dB/m)	0,264	0,375	0,656	0,761	0,938	1,089	1,224	1,369	1,667	2,048	2,557
Typical attenuation (dB/m) = (1,16847 x √(FMHz)) + (0,00055 x FMHz) ÷ 100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	725	510	292	252	204	176	156	140	115	93	75

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



Specific parameters

Phase Change VS Bending (°/GHz)

±0.3

Phase Change VS Temperature@ (-45~+85) °C

≤750 PPM @ -45 / +85°C