CABLES

LOW LOSS ULTRABEND COAXIAL CABLE



REF : HY405UBL

SPECIFICATIONS MECANIQUES / *MECHANICAL SPECIFICATIONS*	
Type de câble / *Cable type*	UltraBend
Températures d'utilisation / *Temperature range*	-55 °C ~ +165 °C
Rayon de courbure minimum / *Minimum bend radius*	13 mm (stat) / 26 mm (dyn)
Poids / *Weight*	16 kg/km

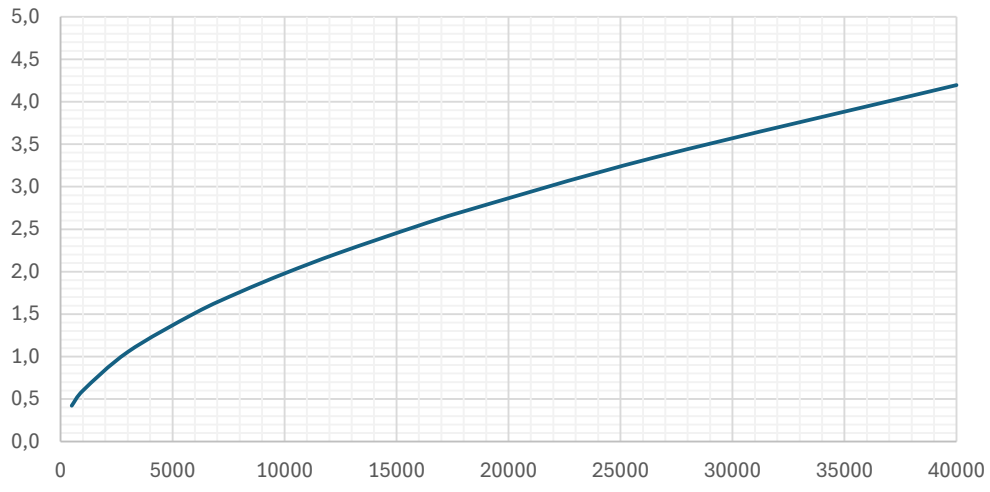
SPECIFICATIONS ELECTRIQUES / *ELECTRICAL SPECIFICATIONS*	
Frequence d'utilisation / *Frequency range*	DC ~ 40 GHz
Impédance / *Impedance*	50 Ohms
Capacité / *Capacitance*	94 pF/m
Vitesse de propagation / *Velocity of propagation*	76 %
Efficacité de blindage / *Shielding effectiveness*	100 dB (min)
Retard linéique / *Time delay*	4,39 ns/m
Tension d'utilisation / *Voltage Withstand*	800 V

CONSTRUCTION ET MATERIAUX / *CONSTRUCTION AND MATERIAL SPECIFICATIONS*	
Conducteur central / *Inner conductor*	Solid SPC wire Ø 0,56 mm
Diélectrique / *Dielectric*	LD PTFE Ø 1,70 mm
Tresse de blindage / *Inner shield braid*	Flat SPC strip Ø 1,85 mm
Feuillard inter-blindage / *Interlayer*	High temp Al foil Ø 1,98 mm
Seconde tresse de blindage / *Outer shield braid*	Stainless steel wire Ø 2,24 mm
Gaine / *Jacket*	FEP Ø 2,65 mm

ATTENUATION ET PUISSANCE / *ATTENUATION AND POWER HANDLING*

Frequency (MHz)	500	1000	3000	6000	8000	10000	12400	16000	18000	26500	40000
Typical attenuation (dB/m)	0,422	0,600	1,054	1,511	1,758	1,978	2,218	2,543	2,709	3,343	4,196
Typical attenuation (dB/m) = (1,858623569 x √(FMHz)) + (0,001196918 x FMHz)/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	314	221	126	88	76	67	60	52	49	40	32

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



Specific parameters

Phase Change VS Bending（°/GHz）	±0.3