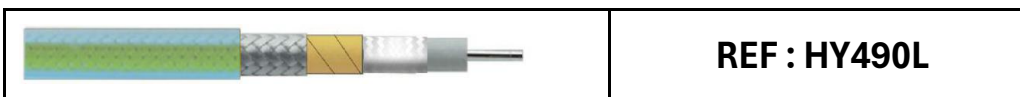


LOW LOSS HIGH POWER COAXIAL CABLE



REF : HY490L

SPECIFICATIONS MECANIKES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	
Températures d'utilisation / Temperature range	-55 °C ~ +200 °C
Rayon de courbure minimum / Minimum bend radius	63,50 mm (stat) / 124,50 mm (dyn)
Poids / Weight	342 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 10 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	88 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	6000 Vdc

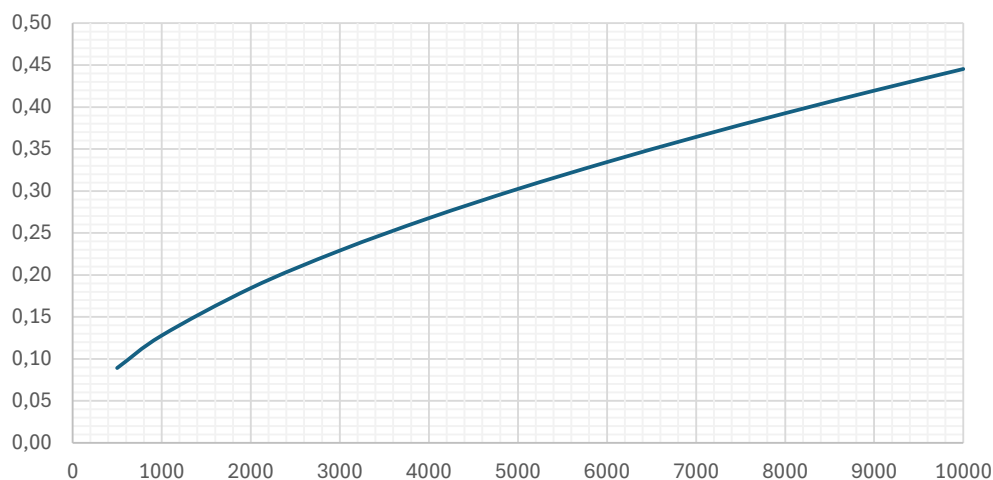
CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Stranded SPC wire 19xØ 0,74 / 3,68 mm
Diélectrique / Dielectric	Low Density PTFE Tape Ø 10,36 mm
Tresse de blindage / Inner shield braid	SPC Braid Ø 10,67 mm
Feuillard inter-blindage / Interlayer	Aluminium Foil Ø 10,82 mm
Seconde tresse de blindage / Outer shield braid	SPC Braid Ø 11,38 mm
Gaine / Jacket	FEP Ø 12,45 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	500	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
Typical attenuation (dB/m)	0,09	0,13	0,18	0,23	0,27	0,30	0,33	0,36	0,39	0,42	0,45
Typical attenuation (dB/m) = $(0.385278871 \times \sqrt{f(\text{FMHz})}) + (0.000600394 \times f(\text{FMHz})) \div 100$ with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	5018	3501	2429	1954	1672	1480	1338	1228	1140	1067	1005

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



Specific parameters

Phase Change VS Bending (°/GHz)	±0.2
Phase Change VS Temperature	≤1500 PPM @ -45 / +85°C