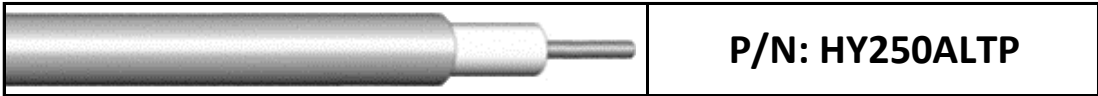


CABLES

TIN PLATED ALUMINUM SEMI-RIGID COAXIAL CABLE



P/N: HY250ALTP

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / <i>Cable type</i>	tin plated aluminum .250" semi-rigid
Températures d'utilisation / <i>Temperature range</i>	-40 °C ~ +100 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	22.23 mm
Poids / <i>Weight</i>	140 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / <i>Frequency range</i>	DC ~ 18 GHz
Impédance / <i>Impedance</i>	50 Ohms
Capacité / <i>Capacitance</i>	95.1 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	70 %
Efficacité de blindage / <i>Shielding effectiveness</i>	110 dB (min)
Retard linéique / <i>Time delay</i>	4.80 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	7500 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	SPCCS wire Ø 1.65 mm
Diélectrique / <i>Dielectric</i>	PTFE Ø 5.31 mm
Conducteur extérieur / <i>Outer conductor</i>	TPA tube Ø 6.35 mm
Gaine et Couleur / <i>Jacket and Color</i>	Unjacketed

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (GHz)	1	2	3	5	6	8	10	12,4	14	16	18
Typical attenuation (dB/m)	0,219	0,333	0,430	0,600	0,678	0,826	0,966	1,126	1,230	1,356	1,479
Typical attenuation (dB/m) = (0.179 x √(FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	660	467	381	295	269	233	209	187	176	165	156
Max power handling (W/cw) = 660 ÷ √(FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

