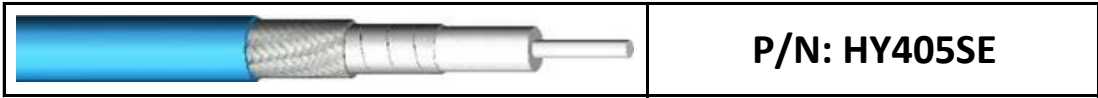


HIGH FREQUENCY MULTIBEND COAXIAL CABLE



P/N: HY405SE

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / <i>Cable type</i>	Flexible alternative to .085" semi-rigid
Températures d'utilisation / <i>Temperature range</i>	-55 °C ~ +200 °C
Rayon de courbure minimum / <i>Minimum bend radius</i>	10 mm (stat) / 20 mm (dyn)
Poids / <i>Weight</i>	22 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>	96.1 pF/m
Vitesse de propagation / <i>Velocity of propagation</i>	70 %
Efficacité de blindage / <i>Shielding effectiveness</i>	100 dB (min)
Retard linéique / <i>Time delay</i>	4.76 ns/m
Tension d'utilisation / <i>Voltage Withstand</i>	1000 Vdc / 1500 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / <i>Inner conductor</i>	SPCCS wire Ø 0.51 mm
Diélectrique / <i>Dielectric</i>	PTFE Ø 1.63 mm
Conducteur extérieur / <i>Outer conductor</i>	SPC foil Ø 1.79 mm
Tresse de blindage / <i>Shield braid</i>	SPC braid Ø 2.16 mm
Gaine et Couleur / <i>Jacket and Color</i>	Blue FEP Ø 2.64 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (MHz)	300	1000	2000	4000	6000	8000	10000	12000	18000	26500	40000
Typical attenuation (dB/m)	0,370	0,693	1,003	1,465	1,837	2,164	2,461	2,737	3,482	4,408	5,709
Typical attenuation (dB/m) = ((2.0669291 x v(FMHz)) + (0.003937 x FMHz))/100 with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	187	100	69	47	38	32	28	25	21	16	10
Max power handling with VSWR = 1.0, Temperature = 40 °C, sea level, dry air, atmospheric pressure and no solar loading											

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

