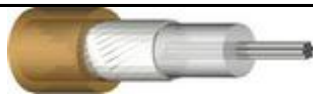


NON MAGNETIC FLEXIBLE COAXIAL CABLE



P/N: HY178NM

SPECIFICATIONS MECANIQUES / MECHANICAL SPECIFICATIONS

Type de câble / Cable type	MIL-C-17/93 - RG178 - KX21A
Températures d'utilisation / Temperature range	-55 °C ~ +150 °C
Rayon de courbure minimum / Minimum bend radius	7.5 mm (stat) / 15 mm (dyn)
Poids / Weight	8 kg/km

SPECIFICATIONS ELECTRIQUES / ELECTRICAL SPECIFICATIONS

Frequence d'utilisation / Frequency range	DC ~ 3 GHz
Impédance / Impedance	50 Ohms
Capacité / Capacitance	96 pF/m
Vitesse de propagation / Velocity of propagation	70 %
Efficacité de blindage / Shielding effectiveness	40 dB (min)
Retard linéique / Time delay	4.8 ns/m
Tension d'utilisation / Voltage Withstand	1000 Vrms

CONSTRUCTION ET MATERIAUX / CONSTRUCTION AND MATERIAL SPECIFICATIONS

Conducteur central / Inner conductor	Stranded SPC Ø 0.30 mm
Diélectrique / Dielectric	PTFE Ø 0.84 mm
Tresse de blindage / Shield braid	SPC Ø 1.30 mm
Seconde tresse de blindage / Second shield braid	---
Gaine et Couleur / Jacket and Color	Brown FEP Ø 1.78 mm

ATTENUATION ET PUISSANCE / ATTENUATION AND POWER HANDLING

Frequency (GHz)	0,01	0,1	0,2	0,4	0,8	1,2	1,5	2	2,2	2,5	3
Typical attenuation (dB/m)	0,150	0,478	0,679	0,965	1,374	1,691	1,897	2,201	2,313	2,472	2,718
Typical attenuation (dB/m) = (1.50 x $\sqrt{f}$ (FGHz)) + (0.04 x FGHz) with VSWR = 1.0 and Temperature = 25 °C											
Max power handling (W/cw)	600	190	134	95	67	55	49	42	40	38	35
Max power handling (W/cw) = 60 ÷ $\sqrt{f}$ (FGHz) with VSWR = 1.0, Temperature = 25 °C and sea level											

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

