

Alternatives:

Reformable alternative to semi-rigid coaxial cables

Offers the unique ability to be hand-formed, no special tools required

Outstanding shielding properties

Fluoropolymer jacket (FJ), halogen free jacket (HFJ) and alternative colours also available

Steel conductors also available

Notes:

All dimensions nominal ($\pm 4\%$) unless otherwise stated.
All dimensions in mm.

Construction:

Flexiform 402 NM

		(in)	(mm)
Conductor	Silver plated copper (1x0.94)	0.037	0.94
Dielectric	Solid extruded PTFE	0.116	2.95
Braid	Tin-soaked tin plated copper	0.141	3.60
Weight	44 kg/km		
Temperature rating (°C)	-65 / +180°C		
Order reference	31000-402-03		

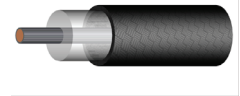
Flexiform 402 NM FJ

Jacket	FPI 205, Blue	0.161	4.10
Weight	52 kg/km		
Temperature rating (°C)	-65 / +180°C		
Order reference	31000-402-04		

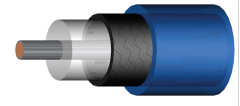
Flexiform 402 NM HFJ

Jacket	HFI 100, Black	0.181	4.60
Weight	53 kg/km		
Temperature rating (°C)	-40 / +100°C		
Order reference	31000-402-33		

Flexiform 402 NM



Flexiform 402 NM FJ



Flexiform 402 NM HFJ



Electrical:

Impedance	50 \pm 2 Ohms
Capacitance	nom 94 pF/m
Velocity of signal propagation	70%
Signal delay	4.8 ns/m
Working voltage, AC r.m.s.	2500 max
Working voltage, DC	5000 max
Attenuation, typical values (nominal values at an air temperature of +20°C)	see table
Power, typical values (ambient temperature of 40°C at sea level and VSWR 1.0)	see table
Suitable for frequencies	up to 18 GHz
Shielding effectiveness	typically <-130dB/m

Attenuation	
MHz	dB/100m
400	25
1000	41
1800	57
2000	60
2400	67
3000	76
5000	102
10000	152
18000	215

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 10mm
Minimum bend radius (MBR) dynamic use	multiple bends: 40mm
Flame resistance	passes IEC 60332-3-24
Flammability	UL 94 V-0
Connectors	As semi-rigid M17/130-RG 402

*Average power

Figures stated are for un-jacketed and FJ versions only

Average Power *	
MHz	W
400	686
1000	419
1800	308
2000	291
2400	265
3000	236
5000	182
10000	122
18000	83