Flexiform 405 NM

Reformable Coaxial Cables

Construction:

Features & Benefits:

Reformable alternative to semi-rigid coaxial cables

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

Outstanding shielding properties

Fluoropolymer (FJ) and halogen free jacket (HFJ) versions available

Magnetic conductors also available on request

Alternative jacket colours available on request

Construction:		Ø (in)	Ø (mm)
Flexiform 405 NM			
Conductor	Silver plated copper (1x0,56)	0.022	0,56
Dielectric	Solid extruded PTFE	0.066	1,70
Braid	Tin-soaked tin plated copper	0.086	2,20
Weight	15 kg/km		
Operating temperature	-65 / +165°C		
Order reference	31000-405-03		
Flexiform 405 NM FJ			
Jacket	FPI 205, Blue	0.102	2,60
Weight	18 kg/km		
Operating temperature	-65 / +165°C		
Order reference	31000-405-04		
Flexiform 405 NM HFJ			
Jacket	HFS 80, Blue	0.125	3,20
Weight	21 kg/km		
Operating temperature	-25 / +80°C		
Order reference	31000-405-05		

Flexiform 405 NM:

Flexiform 405 NM FJ:

Flexiform 405 NM HFJ:

Technical Data / Attenuation & Power:

Electrical:

Impedance	50 ± 2 Ohms
Capacitance	nom 94 pF/m
Velocity of signal propagation	70%
Signal delay	4.8 ns/m
Working voltage, AC r.m.s.	1500 max
Working voltage, DC	3000 max
Attenuation, typical values	see table
(nominal values at an air temperature of +20°C)	
Power, typical values	see table
(ambient temperature of 40°C at sea level and VSWR 1.0)	
Suitable for frequencies	up to 18 GHz
Shielding effectiveness	typically <-130dB/m

Environmental & Mechanical:

Minimum bend radius (MBR)	single bend: 6mm
Minimum bend radius (MBR)	multiple bends: 25mm
Flame resistance	passes IEC 60332-3-24
Connectors	as semi-rigid M17/130-RG 405

Attenuation:

(MHz)	(dB/100m)
400	43
1000	70
1800	97
2000	102
2400	113
3000	127
5000	172
10000	249
12000	276
18000	346

Average Power:

(MHz)	(W)
400	253
1000	157
1800	116
2000	110
2400	100
3000	89
5000	69
10000	47
12000	42
18000	33