Habia Cable

Flexiform® 405 NM

Re-formable Coaxial

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

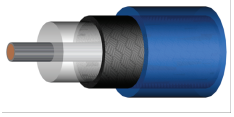
Steel conductors also available

Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

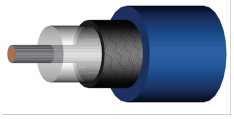
Construction:		(in)	(mm)
Flexiform 405 NM			
Conductor	Silver plated copper (1x0,56)	0.022	0,56
Dielectric	Solid extruded PTFE	0.066	1,70
Braid	Tin-soaked tin plated copper	0.086	2,20
Weight	15 kg/km		
Temperature rating (°C)	-65 / +180°C		
Order reference	31000-405-03		
Flexiform 405 NM FJ			
Jacket	FPI 205, Blue	0.102	2,60
Weight	18 kg/km		
Temperature rating (°C)	-65 / +180°C		
Order reference	31000-405-04		
Flexiform 405 NM HFJ			
Jacket	HFS 80 T, Blue	0.125	3,20
Weight	21 kg/km		
Temperature rating (°C)	-25 / +80°C		
Order reference	31000-405-05		

Flexiform 405 NM

Flexiform 405 NM FJ



Flexiform 405 NM HFJ



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 (installation)	single bend: 6mm
Minimum bend radius (MBR) dynamic use	multiple bends: 25mm
Flame resistance	passes IEC 60332-3-24
Flammability	UL 94 V-0
Connectors	As semi-rigid M17/133-RG 405

*Average power — Figures stated are for un-jacketed and FJ versions only

Attenuation	
MHz	**dB/100m**
400	43
1000	70
1800	97
2000	102
2400	113
3000	127
5000	172
10000	249
18000	346

Average Power *	
MHz	**W**
400	253
1000	157
1800	116
2000	110
2400	100
3000	89
5000	69
10000	47
18000	33

Ref: FF-eFF405-06
Date: 2007-04-04
Approved by: