Habia Cable

Flexiform® 401

Re-formable Coaxial

Alternatives:
Reformable alternative to semi-rigid coaxial cables

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

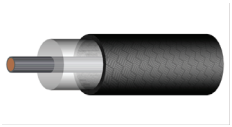
Outstanding shielding properties

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

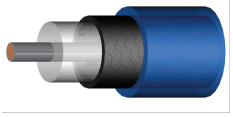
Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Construction:		(in)	(mm)
Flexiform 401			
Conductor	Silver plated copper (1x1,60)	0.066	1,67
Dielectric	Solid extruded PTFE	0.208	5,30
Braid	Tin-soaked tin plated copper	0.250	6,40
Weight	110 kg/km		
Temperature rating (°C)	-65 / +180°C		
Order reference	31000-401-00		
Flexiform 401 FJ			
Jacket	FPI 205, Blue	0.271	6,90
Weight	130 kg/km		
Temperature rating (°C)	-65 / +180°C		
Order reference	31000-401-01		
Flexiform 401 HFJ			
Jacket	HFS 80 T, Blue	0.299	7,60
Weight	130 kg/km		
Temperature rating (°C)	-25 / +80°C		
Order reference	31000-401-02		

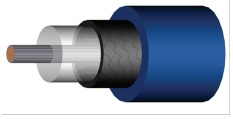
Flexiform 401



Flexiform 401 FJ



Flexiform 401 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.	2500 max
Working voltage, DC	5000 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

Attenuation	
MHz	**dB/100m**
400	15
1000	25
1800	36
2000	38
2400	42
3000	48
5000	66
10000	101
18000	147

Environmental & Mechanical:	
Minimum bend radius (MBR) single bend (installation)	single bend: 40mm
Minimum bend radius (MBR) dynamic use	multiple bends: 120mm
Flame resistance	passes IEC 60332-3-24
Flammability	UL 94 V-0
Connectors	As semi-rigid M17/129-RG 401

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

Average Power *	
MHz	**W**
400	1769
1000	1056
1800	770
2000	728
2400	660
3000	587
5000	450
10000	294
18000	190

Ref: FF-eFF401-06
Date: 2008-03-12
Approved by: