

# Habia Cable

## Flexiform<sup>®</sup> 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 ( $\pm 4\%$ ) unless otherwise stated. All dimensions in mm.

#### Construction:

##### Flexiform 405 NM

	(in)	(mm)
Conductor	0.022	0,56
Dielectric	0.066	1,70
Braid	0.086	2,20
Weight		15 kg/km
Temperature rating (°C)		-65 / +180°C
Order reference		31000-405-03

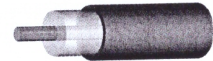
##### Flexiform 405 NM FJ

	(in)	(mm)
Jacket	0.102	2,60
Weight		18 kg/km
Temperature rating (°C)		-65 / +180°C
Order reference		31000-405-04

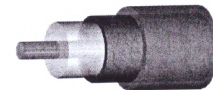
##### Flexiform 405 NM HFJ

	(in)	(mm)
Jacket	0.125	3,20
Weight		21 kg/km
Temperature rating (°C)		-25 / +80°C
Order reference		31000-405-05

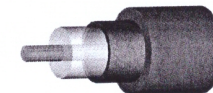
#### Flexiform 405 NM



#### Flexiform 405 NM FJ



#### Flexiform 405 NM HFJ



#### Electrical:

Impedance	50 $\pm$ 2 Ohms
Capacitance	nom 94 pF/m
Velocity of signal propagation	70%
Signal delay	4.8 ns/m
Working voltage, AC r.m.s.	1500 max
Working voltage, DC	3000 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

#### 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

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.

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