

### Key features:

Temperature range: -65°C / +180°C  
 Frequency range: Up to 18 GHz  
 Flame retardant:  
 - Passes IEC 60332-1 (Fire)  
 - Passes UL 1581 VW-1 (Fire)  
 Low smoke generation:  
 - Passes IEC 61034-2 (Smoke)

### Size cross-reference:

Flexiform 220: 0.110"  
 Flexiform 380: 0.171"  
 Flexiform 401: 0.250"  
 Flexiform 402: 0.141"  
 Flexiform 405: 0.086"

### Application

A reformable alternative to semi-rigid coaxial cables, Flexiform NM FJ coaxials offer the unique ability to be hand-formed with no special tooling required. The tin-soaked braid offers outstanding shielding properties whilst the non-magnetic conductor improves performance with regard to Passive Inter-Modulation (PIM). Flexiform 220, 380 and 401 are available in non-magnetic form only and therefore do not carry the NM tag in the description.

### Cable construction:

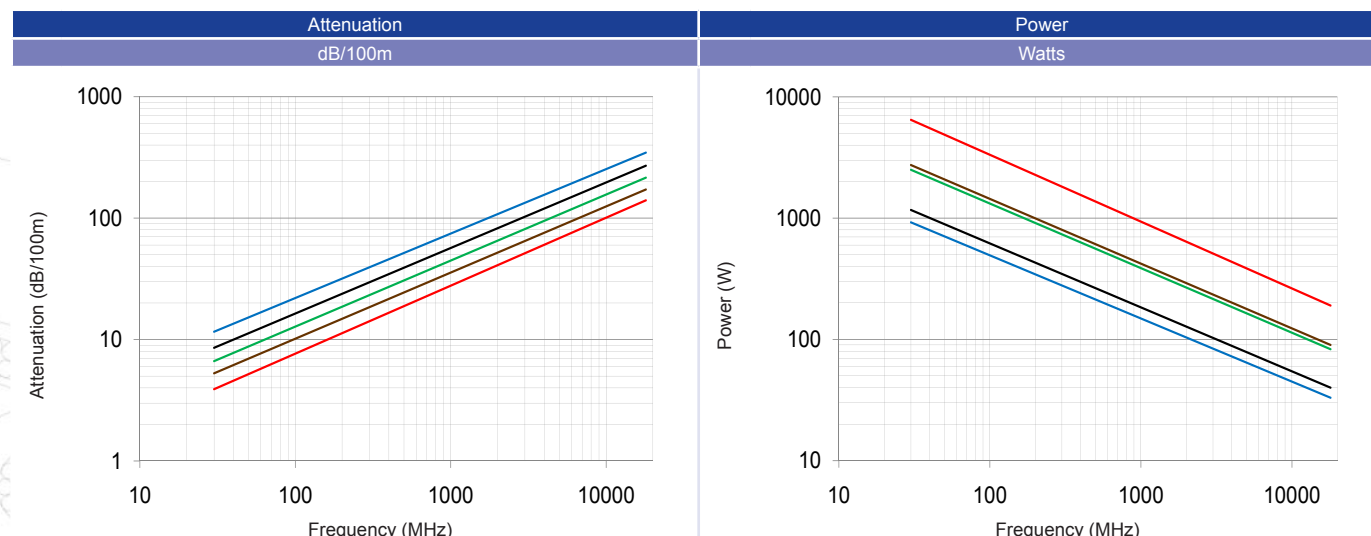
Conductor: Silver Plated Copper Covered Steel (SCCS)  
 Dielectric: PTFE  
 Shield: Tin-soaked Tin Plated Copper (TPC) wire braid, 100% coverage  
 Sheath: FEP, Blue-transparent

### Jacket marking:

TYPE Habia Cable ORDER REFERENCE YEAR-WEEK  
 (e.g. Flexiform 402 Habia Cable 31000-402-00 2010-W33)

Description	Construction						Electrical Values			Order Reference
	conductor material	conductor Ø	dielectric Ø	shield (s) Ø	sheath (s) Ø	weight (kg/km)	impedance (Ohms)	cap. (pF/m)	attenuation power	
Flexiform 220 FJ	SPC (solid)	0,71	2,20	2,80	3,20	34	50	94	See below (Black)	31000-220-01
Flexiform 380 FJ	SPC (solid)	0,94	2,95	3,60	5,05	65	50	94	See below (Brown)	31000-380-01
Flexiform 401 FJ	SPC (solid)	0,56	1,70	2,20	6,90	130	50	94	See below (Red)	31000-401-01
Flexiform 402 NM FJ	SPC (solid)	0,94	2,95	3,60	4,10	52	50	94	See below (Green)	31000-402-04
Flexiform 405 NM FJ	SPC (solid)	0,56	1,70	2,20	2,60	18	50	94	See below (Blue)	31000-405-04

Flexiform



Note: All dimensions in mm and ±4% unless stated Date: 2010-05-25 Created: CJV Approved: BD Reference: Flex\_10  
 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.