

Flexiform™

Premium, re-formable coaxial cables

Intended for use in microwave, wireless or other signal transmission equipment (500 MHz - 18 GHz)

50 Ω

Order reference		Core			Finished cable			Electrical		
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Cap. pF/m	DC current rating	Voltage
									In free air at 40°C	
		Silver Plated Copper (SPC)		PTFE	Tinned braid	-	Weight	Cap.	DC current rating In free air at 40°C	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s				
		# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
Flexiform 380	3100038000	Solid	1.20	3.80	4.50	-	57	94	36	2,400
Flexiform 401	3100040100	Solid	1.67	5.31	6.35	-	110	94	54	3,600
Flexiform 402 NM	3100040203	Solid	0.94	2.95	3.58	-	41	94	26	2,000
Flexiform 405 NM	3100040503	Solid	0.54	1.68	2.15	-	17	94	13	1,000
		Silver Plated Copper Covered Steel (SCCS)		PTFE	Tinned braid	-	Weight	Cap.	DC current rating In free air at 40°C	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s				
		# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
Flexiform 402	3100040200	Solid	0.94	2.95	3.58	-	41	94	26	2,000
Flexiform 405	3100040500	Solid	0.53	1.65	2.15	-	16	94	13	1,000

Minimum bend radius

Flexiform 380		Flexiform 401		Flexiform 402 / NM		Flexiform 405 / NM	
Fixed	Flexing	Fixed	Flexing	Fixed	Flexing	Fixed	Flexing
20	-	40	-	10	-	6	-



Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)

Frequency MHz	Flexiform 380		Flexiform 401		Flexiform 402 / NM		Flexiform 405 / NM	
	dB	W	dB	W	dB	W	dB	W
400	20	750	15	1,769	25	686	43	253
1,000	32	474	25	1,056	41	419	70	157
2,000	46	330	38	728	60	291	102	110
3,000	59	269	49	581	77	235	131	89
4,000	70	233	58	503	90	203	153	77
5,000	79	208	66	450	102	182	172	69
6,000	88	190	74	411	113	166	190	63
10,000	120	147	101	294	152	122	249	47
18,000	172	110	147	190	215	83	346	33

Cable identification

Dielectric	Natural
Sheath	None
Marking	Habia Cable - Description - Article No. - Year-Week - Batchcode

Characteristics and key properties

		RoHS REACH LVD	VoP 71%	Current rating IEC 60287	Fluid resistance Fuel Oil Water	Flame proof IEC 60332-1-2	Smoke generation IEC 61034-2	MBR See table above
							Temp low -65°C	Temp peak +180°C

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice. Data indicates nominal values in millimetres (mm) unless otherwise stated.