Flexiform™ FJ

Premium, re-formable, high temperature coaxial cables
Intended for use primarily as a transmission line in high frequency applications

50 Ω



Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper (SPC)		PTFE	Tinned braid	FEP	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
Flexiform 220 FJ	3100022001	Solid	0.71	2.20	2.80	3.20	35	94	18	1,600
Flexiform 380 FJ	3100038001	Solid	1.20	3.80	4.50	5.05	70	94	36	2,400
Flexiform 401 FJ	3100040101	Solid	1.67	5.31	6.35	6.90	130	94	54	3,600
Flexiform 402 NM FJ	3100040204	Solid	0.94	2.95	3.58	4.14	48	94	26	2,000
Flexiform 405 NM FJ	3100040504	Solid	0.54	1.68	2.15	2.50	18	94	13	1,000



		Silver Plated Copper Covered Steel (SCCS)		PTFE	Tinned braid	FEP	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
Flexiform 402 FJ	3100040201	Solid	0.94	2.95	3.58	4.14	48	94	26	2,000
Flexiform 405 FJ	3100040501	Solid	0.53	1.65	2.15	2.50	22	94	13	1,000

Minimum bend radius									
Flexiform 220		Flexiform 380		Flexiform 401		Flexiform 402 / NM		Flexiform 405 / NM	
Fixed	Flexing	Fixed	Flexing	Fixed	Flexing	Fixed	Flexing	Fixed	Flexing
14	-	20	-	40	-	10	-	6	-

Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)										
Frequency	Flexiform 220		Flexiform 380		Flexiform 401		Flexiform 402 / NM		Flexiform 405 / NM	
MHz	dB	W	dB	W	dB	W	dB	W	dB	W
400	32	320	20	750	15	1,769	25	686	43	253
1,000	52	199	32	474	25	1,056	41	419	70	157
2,000	80	135	46	330	38	728	60	291	102	110
3,000	99	110	59	269	49	581	77	235	131	89
4,000	116	95	70	233	58	503	90	203	153	77
5,000	128	75	79	208	66	450	102	182	172	69
6,000	142	68	88	190	74	411	113	166	190	63
10,000	190	55	120	147	101	294	152	122	249	47
18,000	270	40	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										
CE	UK CA	RoHS REACH LVD	VoP 77%	Current rating IEC 60287	Fluid resistant Fuel Oil Water		Flame resistant IEC 60332-1-2		Smoke free IEC 61034-2	MBR See table above
								Temp low -65°C		Temp peak +180°C