



## Flexiform™ HFJ

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

50 Ω / 94 pF/m



Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper (SPC)		PTFE	Tinned braid	HFS 80 T	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 380 HFJ	3100038002	Solid	1.20	3.80	4.50	5.50	69	94	20	2,400
Flexiform 401 HFJ	3100040102	Solid	1.67	5.31	6.35	7.60	140	94	31	3,600
Flexiform 402 NM HFJ	3100040205	Solid	0.94	2.95	3.58	4.60	53	94	15	2,000
Flexiform 405 NM HFJ	3100040505	Solid	0.54	1.68	2.15	3.20	23	94	7	1,000

		Silver Plated Copper Covered Steel (SCCS)		PTFE	Tinned braid	HFS 80 T	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 HFJ	3100040202	Solid	0.94	2.95	3.58	4.60	51	94	15	2,000
Flexiform 405 HFJ	3100040502	Solid	0.53	1.65	2.15	3.20	23	94	7	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 HFJ		Flexiform 401 HFJ		Flexiform 402 / NM HFJ		Flexiform 405 / NM HFJ	
	dB	W	dB	W	dB	W	dB	W
400	20	346	15	445	25	176	43	75
1,000	32	219	25	270	41	111	70	47
2,000	46	155	38	182	60	79	102	34
3,000	59	127	49	136	77	65	131	28
4,000	70	110	58	117	90	56	153	25
5,000	79	98	66	105	102	50	172	22
6,000	88	89	74	96	113	46	190	20
10,000	120	69	101	74	152	35	249	16
18,000	172	52	147	66	215	26	346	12

Cable identification	
Dielectric	Natural
Sheath	Blue
Marking	Habia Cable - Flexiform ### HFJ - Article No. - Year-Week - Batchcode

Characteristics and key properties										
		RoHS REACH LVD	<b>VoP</b> 71%	<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Fuel Oil Water		<b>Flame resistant</b> IEC 60332-1-2		<b>Smoke free</b> IEC 61034-2	<b>MBR</b> See table above
								<b>Temp low</b> -40°C		<b>Temp peak</b> +80°C

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