



## Multibend™ FJ

Flexible semi-rigid alternative, 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	Foil / SPC braid	FEP	Weight	Cap.	DC current rating	Voltage
		Stranding	Wire size	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
Multibend 401 FJ	3200040101	Solid	1.67	5.31	F: 5.73 B: 6.35	7.20	140	94	54	3,400
Multibend 402 NM FJ	3200040203	Solid	0.94	2.98	F: 3.15 B: 3.58	4.14	41	94	26	2,000
Multibend 405 NM FJ	3200040503	Solid	0.53	1.68	F: 1.88 B: 2.18	2.64	21	96	13	1,000



  

		Silver Plated Copper Covered Steel (SCCS)		PTFE	Foil / SPC braid	FEP	Weight	Cap.	DC current rating	Voltage
		Stranding	Wire size	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
Multibend 402 FJ	3200040201	Solid	0.94	2.99	F: 3.15 B: 3.58	4.14	42	94	26	2,000
Multibend 405 FJ	3200040501	Solid	0.51	1.63	F: 1.88 B: 2.18	2.64	21	96	13	1,000

Minimum bend radius					
Multibend 401 FJ		Multibend 402 FJ		Multibend 405 FJ	
Fixed	Flexing	Fixed	Flexing	Fixed	Flexing
40	-	10	-	6	-

Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)						
Frequency	Multibend 401 FJ		Multibend 402 FJ		Multibend 405 FJ	
	dB	W	dB	W	dB	W
400	14	1,387	23	515	43	194
1,000	23	827	37	315	68	120
2,000	34	569	54	218	98	84
3,000	42	453	68	176	121	68
4,000	50	392	79	152	141	59
5,000	57	351	85	136	159	53
6,000	64	320	96	124	176	48
10,000	88	248	135	96	233	37
18,000	145	148	190	62	355	25

Cable identification	
Dielectric	Natural
Sheath	Blue
Marking	Habia Cable - Multibend ### FJ - 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> -65°C		<b>Temp peak</b> +180°C

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