Properties:
Radiation resistance:
10 E5 Gy

Flame retardant
Low Smoke Generation

Suitable for use in:
Oils
Fuels

Recommended MBR:
Static: 4x OD
Dynamic: 8x OD

Construction:

Conductor	'S-Line' high strand TPC
Insulation	Roctech tape with extruded Omnigard
Temperature rating (°C)	-50 / +150
Colours	Only available in Black
Voltage	600 V AC
Test voltage	5000 V AC

Notes:
1) Values of current rating for Habia *Hi-Flex* power cables assumes an ambient temperature of 30°C, for two cables mounted hoizontally in free air.
2) De-rating factors should be applied by the user in determining the most suitable *Hi-Flex* power cable for the application. A number of factors must be taken into consideration such as ambient temperature, number of cores and fixing method.

Air temperature correction factor for current rating: *Hi-Flex*

°C	30	40	50	60	70	80	90	100	110	120	130			
Factor	1,00	0,94	0,88	0,82	0,76	0,69	0,62	0,54	0,45	0,35,	0,23			

Multicore / Fixing method correction factor for current rating:

Installation method	Clipped to vertical structure			Clipped to horizontal structure			On solid metal trays			On aerated metal trays		
Number of cores	1	2	3	1	2	3	1	2	3	1	2	3
Without spacing	0,94	0,80	0,76	0,89	0,76	0,57	0,97	0,85	0,74	1,00	0,87	0,74
With spacing	0,94	0,90	0,87	0,89	0,81	0,77	0,97	0,96	0,93	1,00	1,00	1,00

Notes:
All dimensions nominal (± 4%) unless otherwise stated.
All dimensions in mm.

Type	Size		Conductor			Finished Wire				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res @ 20°C (Ohms / km)	Core Ø	Tolerance	Weight (kg/km)	Amps (@ 40°C)	
Hi-Flex 6	-	6,0	S 6	3,60	3,39	5,00	± 0,15	65	88	903000600
Hi-Flex 10	-	10,0	S 10	4,55	1,95	6,00	± 0,20	105	120	903001000
Hi-Flex 16	-	16,0	S 16	5,50	1,24	7,70	± 0,25	170	162	903001600
Hi-Flex 25	-	25,0	S 25	7,30	0,80	9,50	± 0,30	255	214	903002500
Hi-Flex 35	-	35,0	S 35	8,55	0,57	11,15	± 0,45	420	250	903003500
Hi-Flex 50	-	50,0	S 50	10,15	0,40	12,95	± 0,50	510	330	903005000
Hi-Flex 70	-	70,0	S 70	12,00	0,28	14,80	± 0,50	700	415	903007000
Hi-Flex 95	-	95,0	S 95	14,05	0,20	17,05	± 0,55	940	500	903009500
Hi-Flex 120	-	120,0	S 120	16,30	0,15	19,50	± 0,60	1180	585	903012000
Hi-Flex 150	-	150,0	S 150	17,40	0,13	20,80	± 0,60	1465	670	903015000
Hi-Flex 185	-	185,0	S 185	19,00	0,10	23,30	± 1,00	1820	775	903018500
Hi-Flex 240	-	240,0	S 240	22,50	0,08	27,75	± 1,00	2465	920	903024000
Hi-Flex 300	-	300,0	S 300	25,50	0,07	30,70	± 1,25	2990	1036	903030000
Hi-Flex 400	-	400,0	S 400	29,80	0,05	36,30	± 1,25	4145	1225	903040000

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.

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