


## Hi-Flex™ ZH

HFI 121 XL insulated power cores for flexible use, LSZH  
Intended for automotive applications

300/500 V AC

Order reference		Conductor			Finished core				Electrical	
		Tin Plated Copper (TPC)			Roctech / HFI 121 XL			Weight	DC resistance	DC current rating
		CSA	Stranding	Size	Insulation	Tolerance				In free air at 30°C
Description	Article Number	mm²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
Hi-Flex 1.0 ZH	909cc0100	1.0	Class 5	1.20	2.50	2.35	2.70	15	20.0	30
Hi-Flex 1.5 ZH	909cc0150	1.5	Class 5	1.50	2.85	2.70	3.00	21	13.7	39
Hi-Flex 2.5 ZH	909cc0250	2.5	Class 5	1.95	3.45	3.30	3.60	32	8.21	55
Hi-Flex 4 ZH	909cc0400	4	Class 5	2.50	4.25	4.10	4.40	49	5.09	73

600/1000 V AC



Description	Article Number	mm²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
Hi-Flex 6 ZH	909cc0600	6	Class 6	3.60	4.85	4.60	5.00	65	3.39	98
Hi-Flex 10 ZH	909cc1000	10	Class 6	4.55	6.00	5.80	6.50	105	1.95	138
Hi-Flex 16 ZH	909cc1600	16	Class 6	5.70	7.70	7.45	8.30	170	1.24	185
Hi-Flex 25 ZH	909cc2500	25	Class 6	7.20	9.50	9.20	10.40	255	0.795	250
Hi-Flex 35 ZH	909cc3500	35	Class 6	8.40	11.15	10.70	11.60	420	0.565	312
Hi-Flex 50 ZH	909cc5000	50	Class 6	10.30	12.95	12.45	13.50	510	0.393	395
Hi-Flex 70 ZH	909cc7000	70	Class 6	12.40	14.80	14.30	15.50	700	0.277	496
Hi-Flex 95 ZH	909cc9500	95	Class 6	14.30	17.05	16.50	18.00	940	0.210	599
Hi-Flex 120 ZH	909cc9120	120	Class 6	16.00	19.30	18.90	19.70	1,180	0.164	713
Hi-Flex 150 ZH	909cc9150	150	Class 6	18.00	20.80	20.20	21.40	1,465	0.132	811
Hi-Flex 185 ZH	909cc9185	185	Class 6	20.00	23.30	22.30	24.30	1,820	0.105	921
Hi-Flex 240 ZH	909cc9240	240	Class 6	23.00	27.75	26.75	28.75	2,465	0.080	1,115
Hi-Flex 300 ZH	909cc9300	300	Class 6	26.00	30.70	29.45	31.95	2,990	0.060	1,296
Hi-Flex 400 ZH	909cc9400	400	Class 6	30.00	36.30	35.05	37.55	4,145	0.048	1,554

Core identification: Replace 'cc' in the article number with 2 digits below to select from available colours

00 Black 11 Brown 22 Red 33 Orange 44 Yellow 55 Green 66 Blue 77 Violet 88 Grey 99 White 29 Pink

Marking Habia Cable - Article No. - Year-Week - Batch code

### Characteristics and key properties

		RoHS REACH LVD		<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Water		<b>Flame resistant</b> IEC 60332-1-2	<b>Halogen free</b>	<b>Smoke free</b>	<b>MBR</b> Fixed = 4x Ø Flexing = 8x Ø
								<b>Temp low</b> -50°C		<b>Temp peak</b> +150°C

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.