

## Hi-Flex™

TPS 125 XL insulated power cores for flexible use  
Intended for military automotive applications

300/500 V AC

Order reference		Conductor			Finished core				Electrical	
		Tin Plated Copper (TPC)			Roctech / TPS 125 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	903cc0100	1.0	Class 5	1.20	2.50	2.35	2.70	15	20.0	30
Hi-Flex 1.5	903cc0150	1.5	Class 5	1.50	2.85	2.70	3.00	21	13.7	39
Hi-Flex 2.5	903cc0250	2.5	Class 5	1.95	3.45	3.30	3.60	32	8.21	55
Hi-Flex 4	903cc0400	4.0	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	903cc0600	6.0	Class 6	3.60	4.85	4.60	5.00	65	3.39	98
Hi-Flex 10	903cc1000	10	Class 6	4.55	6.00	5.80	6.50	105	1.95	138
Hi-Flex 16	903cc1600	16	Class 6	5.70	7.70	7.45	8.30	170	1.24	185
Hi-Flex 25	903cc2500	25	Class 6	7.20	9.50	9.20	10.40	255	0.795	250
Hi-Flex 35	903cc3500	35	Class 6	8.40	11.15	10.70	11.60	420	0.565	312
Hi-Flex 50	903cc5000	50	Class 6	10.30	12.95	12.45	13.50	510	0.393	395
Hi-Flex 70	903cc7000	70	Class 6	12.40	14.80	14.30	15.50	700	0.277	496
Hi-Flex 95	903cc9500	95	Class 6	14.30	17.05	16.50	18.00	940	0.210	599
Hi-Flex 120	903cc9120	120	Class 6	16.00	19.30	18.90	19.70	1,180	0.164	713
Hi-Flex 150	903cc9150	150	Class 6	18.00	20.80	20.20	21.40	1,465	0.132	811
Hi-Flex 185	903cc9185	185	Class 6	20.00	23.30	22.30	24.30	1,820	0.105	921
Hi-Flex 240	903cc9240	240	Class 6	23.00	27.75	26.75	28.75	2,465	0.080	1,115
Hi-Flex 300	903cc9300	300	Class 6	26.00	30.70	29.45	31.95	2,990	0.060	1,296
Hi-Flex 400	903cc9400	400	Class 6	30.00	36.30	35.05	37.55	4,145	0.048	1,554

1000/1900 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 1000	910cc0600	6.0	Class 6	3.60	6.00	5.85	6.15	77	3.39	98
Hi-Flex 10 1000	910cc1000	10	Class 6	4.55	7.20	7.00	7.40	120	1.95	138
Hi-Flex 16 1000	910cc1600	16	Class 6	5.70	8.60	8.35	8.85	189	1.24	185
Hi-Flex 25 1000	910cc2500	25	Class 6	7.20	10.30	10.00	10.60	275	0.795	250
Hi-Flex 35 1000	910cc3500	35	Class 6	8.40	11.85	11.40	12.30	380	0.565	312
Hi-Flex 50 1000	910cc5000	50	Class 6	10.30	13.65	13.15	14.15	525	0.393	395
Hi-Flex 70 1000	910cc7000	70	Class 6	12.40	15.50	15.00	16.00	719	0.277	496
Hi-Flex 95 1000	910cc9500	95	Class 6	14.30	17.80	17.25	18.35	962	0.210	599

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

00	Black	-	-	-	-	-	-	-	-	-
----	-------	---	---	---	---	---	---	---	---	---

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> Fuel Oil Water		<b>Flame resistant</b> IEC 60332-1-2			<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.