

Hi-Flex

Flexible power cores

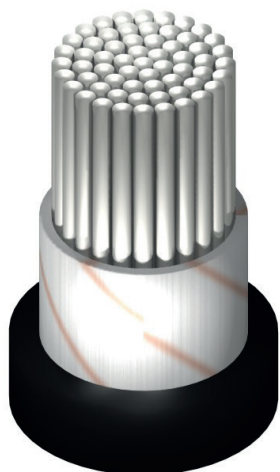
600V

-50°C/+140°C

Construction

Conductor	Highly stranded Tin Plated Copper (TPC)	Insulation	Roctech tape TPS 125 XL	Voltage (1 - 4mm ²) Voltage (6 - 400mm ²) Test voltage	300/500V AC U ₀ /U 600/1000V AC U ₀ /U 3000V AC
Colour (black only)	00 Black	-	-	-	-
Marking	Habia Cable Article Number Year-Week Batch code e.g. Habia Cable 903000100 2012-W39 121026001				

Description	Size		Conductor			Finished Wire			Electrical amps at 30°C	Article Number
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m		
Hi-Flex 1.0	-	1.00	S 1.0	20.00	1.20	2.70	± 0.15	15	30	903000100
Hi-Flex 1.5	-	1.50	S 1.5	13.70	1.50	3.10	± 0.15	21	39	903000150
Hi-Flex 2.5	-	2.50	S 2.5	8.21	1.95	3.70	± 0.15	32	55	903000250
Hi-Flex 4	-	4.00	S 4	5.09	2.50	4.30	± 0.15	49	73	903000400
Hi-Flex 6	-	6.00	S 6	3.39	3.60	5.00	± 0.15	65	98	903000600
Hi-Flex 10	-	10.00	S 10	1.95	4.55	6.00	± 0.20	105	138	903001000
Hi-Flex 16	-	16.00	S 16	1.24	5.70	7.70	± 0.25	170	185	903001600
Hi-Flex 25	-	25.00	S 25	0.80	7.20	9.50	± 0.30	255	250	903002500
Hi-Flex 35	-	35.00	S 35	0.57	8.40	11.15	± 0.45	420	312	903003500
Hi-Flex 50	-	50.00	S 50	0.39	10.30	12.95	± 0.50	510	395	903005000
Hi-Flex 70	-	70.00	S 70	0.28	12.40	14.80	± 0.50	700	496	903007000
Hi-Flex 95	-	95.00	S 95	0.21	14.30	17.05	± 0.55	940	599	903009500
Hi-Flex 120	-	120.00	S 120	0.17	16.00	19.50	± 0.60	1,180	713	903009120
Hi-Flex 150	-	150.00	S 150	0.13	18.00	20.80	± 0.60	1,465	811	903009150
Hi-Flex 185	-	185.00	S 185	0.11	20.00	23.30	± 1.00	1,820	921	903009185
Hi-Flex 240	-	240.00	S 240	0.08	23.00	27.75	± 1.00	2,465	1,115	903009240
Hi-Flex 300	-	300.00	S 300	0.06	26.00	30.70	± 1.25	2,990	1,296	903009300
Hi-Flex 400	-	400.00	S 400	0.05	30.00	36.30	± 1.25	4,145	1,554	903009400



Application

Designed for use in Hybrid Electric Drive (HED) vehicles, Hi-Flex offers Habia Cable's most flexible, large power cores. Hi-Flex is designed to a military level of performance, giving improved oil and fuel resistance as well as improved Non-Biological Contamination (NBC) resistance.

- NBC compliant
- Flame retardant
- Oil and fuel resistant
- Static MBR of 4x OD
- Flexing MBR of 8x OD
- RoHS compliant