

## Habiatron™ / M

HFI 260 insulated cores

Intended for use in harsh environment safety related equipment and for accident conditions

300 V AC

Order reference		Conductor				Finished wire				Electrical	
		Size		Tin Plated Copper (TPC)		HFI 260			Weight	DC resistance	DC current rating In free air at 40°C
Stranding	Wire			Core	Tolerance		Nom g/m	Max Ω/km			
Description	Article Number	AWG	mm²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
H-M Nuc 3007	915cc3007	30	0.05	7 x 0.102	0.30	0.75	0.68	0.82	0.9	354.3	5
H-M Nuc 2807	915cc2807	28	0.09	7 x 0.127	0.38	0.83	0.76	0.90	1.2	223.8	6
H-M Nuc 2619	915cc2619	26	0.16	19 x 0.102	0.48	0.96	0.89	1.03	1.9	131.6	9
H-M Nuc 2419	915cc2419	24	0.22	19 x 0.127	0.60	1.14	1.04	1.24	2.7	83.3	11
H-M Nuc 2219	915cc2219	22	0.34	19 x 0.160	0.76	1.32	1.22	1.42	4.0	52.2	15
H-M Nuc 0,5	915cc0050	-	0.50	19 x 0.185	0.88	1.44	1.34	1.54	4.0	40.1	18
H-M Nuc 2019	915cc2019	20	0.60	19 x 0.204	0.96	1.52	1.42	1.62	6.2	32.0	20
H-M Nuc 0,75	915cc0075	-	0.75	24 x 0.200	1.05	1.65	1.55	1.75	7.5	26.7	23
H-M Nuc 1819	915cc1819	18	0.96	19 x 0.254	1.20	1.80	1.70	1.90	9.5	20.4	27
H-M Nuc 1,0	915cc0100	-	1.00	32 x 0.200	1.20	1.84	1.74	1.94	9.5	20.0	27

600 V AC

Description	Article Number	AWG	mm²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
H-M Nuc 1619	915cc1619	16	1.23	19 x 0.287	1.36	2.01	1.88	2.14	12	15.8	31
H-M Nuc 1,5	915cc0150	-	1.50	30 x 0.250	1.50	2.15	2.02	2.28	15	13.7	35
H-M Nuc 1419	915cc1419	14	1.87	19 x 0.361	1.71	2.36	2.23	2.49	19	10.0	42
H-M Nuc 2,5	915cc0250	-	2.50	50 x 0.250	1.95	2.61	2.48	2.74	24	8.21	48
H-M Nuc 1237	915cc1237	12	2.97	37 x 0.320	2.24	2.90	2.77	3.03	29	6.59	56
H-M Nuc 4	915cc0400	-	4.00	56 x 0.300	2.48	3.24	3.14	3.34	40	5.09	66
H-M Nuc 1037	915cc1037	10	4.65	37 x 0.400	2.77	3.53	3.43	3.63	49	4.13	74
H-M Nuc 6	915cc0600	-	6.00	84 x 0.300	2.92	3.82	3.72	3.92	59	3.39	85
H-M Nuc 8133	915cc8133	8	8.60	133 x 0.287	4.20	5.05	4.90	5.20	87	2.30	112
H-M Nuc 10	915cc1000	-	10.0	80 x 0.400	3.93	4.83	4.68	4.98	99	1.95	120
H-M Nuc 6133	915cc6133	6	13.6	133 x 0.361	5.27	6.35	6.15	6.55	137	1.46	151
H-M Nuc 16	915cc1600	-	16.0	126 x 0.400	5.80	6.80	6.60	7.00	158	1.24	169
H-M Nuc 4133	915cc4133	4	21.6	133 x 0.454	6.65	7.92	7.67	8.17	214	0.92	205
H-M Nuc 25	915cc2500	-	25.0	196 x 0.400	7.20	8.30	8.05	8.55	240	0.795	228

Please note - The temperature rating of +140°C can be exceeded (up to +190°C), but some properties (e.g. colour) may change as the product will begin to transition from an amorphous to a crystalline state above this temperature. This is normal behaviour for HFI 260 and does not imply any detrimental effect on cable performance.

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
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Marking None

Note - This product is technically available in Natural (89) only. Other colours are available but specific colour matching of HFI 260 is not possible.

### Characteristics and key properties

<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD		<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Fuel Oil Water		<b>Flame resistant</b> IEEE 1202 UL1581 VW-1	<b>Halogen free</b> IEC 60754-1 IEC 60754-2	<b>Smoke free</b>	<b>MBR</b> Fixed = 7.5x Ø Flexing = 15x Ø
<b>Type test to IEEE</b>	>180°C Accident conditions type test						<b>Temp installation</b> <b>-60°C</b>		<b>Temp &gt;60 years LOCA</b> <b>+90°C</b>	<b>Temp peak</b> <b>+140°C</b>

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