

Habiatron™ / MC

HFI 260 C 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		Nickel Plated Copper (NPC)		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-MC Nuc 3007	917cc3007	30	0.05	7 x 0.102	0.30	0.75	0.68	0.82	0.9	354.3	6
H-MC Nuc 2807	917cc2807	28	0.09	7 x 0.127	0.38	0.83	0.76	0.90	1.2	223.8	8
H-MC Nuc 2619	917cc2619	26	0.16	19 x 0.102	0.48	0.96	0.89	1.03	1.9	131.6	11
H-MC Nuc 2419	917cc2419	24	0.22	19 x 0.127	0.60	1.14	1.04	1.24	2.7	83.3	14
H-MC Nuc 2219	917cc2219	22	0.34	19 x 0.160	0.76	1.32	1.22	1.42	4.0	52.2	19
H-MC Nuc 0,5	917cc0050	-	0.50	19 x 0.185	0.88	1.44	1.34	1.54	4.0	40.1	22
H-MC Nuc 2019	917cc2019	20	0.60	19 x 0.204	0.96	1.52	1.42	1.62	6.2	32.0	25
H-MC Nuc 0,75	917cc0075	-	0.75	24 x 0.200	1.05	1.65	1.55	1.75	7.5	26.7	29
H-MC Nuc 1819	917cc1819	18	0.96	19 x 0.254	1.20	1.80	1.70	1.90	9.5	20.4	33
H-MC Nuc 1,0	917cc0100	-	1.00	32 x 0.200	1.20	1.84	1.74	1.94	9.5	20.0	34

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-MC Nuc 1619	917cc1619	16	1.23	19 x 0.287	1.36	2.01	1.88	2.14	12	15.8	39
H-MC Nuc 1,5	917cc0150	-	1.50	30 x 0.250	1.50	2.15	2.02	2.28	15	13.7	44
H-MC Nuc 1419	917cc1419	14	1.87	19 x 0.361	1.71	2.36	2.23	2.49	19	10.0	52
H-MC Nuc 2,5	917cc0250	-	2.50	50 x 0.250	1.95	2.61	2.48	2.74	24	8.21	60
H-MC Nuc 1237	917cc1237	12	2.97	37 x 0.320	2.24	2.90	2.77	3.03	29	6.59	68
H-MC Nuc 4	917cc0400	-	4.00	56 x 0.300	2.48	3.24	3.14	3.34	40	5.09	82
H-MC Nuc 1037	917cc1037	10	4.65	37 x 0.400	2.77	3.53	3.43	3.63	49	4.13	90
H-MC Nuc 6	917cc0600	-	6.00	84 x 0.300	2.92	3.82	3.72	3.92	59	3.39	104
H-MC Nuc 8133	917cc8133	8	8.60	133 x 0.287	4.20	5.05	4.90	5.20	87	2.30	137
H-MC Nuc 10	917cc1000	-	10.0	80 x 0.400	3.93	4.83	4.68	4.98	99	1.95	147
H-MC Nuc 6133	917cc6133	6	13.6	133 x 0.361	5.27	6.35	6.15	6.55	137	1.46	184
H-MC Nuc 16	917cc1600	-	16.0	126 x 0.400	5.80	6.80	6.60	7.00	158	1.24	206
H-MC Nuc 4133	917cc4133	4	21.6	133 x 0.454	6.65	7.92	7.67	8.17	214	0.92	249
H-MC Nuc 25	917cc2500	-	25.0	196 x 0.400	7.20	8.30	8.05	8.55	240	0.795	277

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 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

CE	UK CA	RoHS REACH LVD		Current rating IEC 60287	Fluid resistant Fuel Oil Water		Flame resistant IEEE 1202 UL1581 VW-1	Halogen free IEC 60754-1 IEC 60754-2	Smoke free	MBR Fixed = 7.5x Ø Flexing = 15x Ø
Type test to IEEE	>180°C Accident conditions type test						Temp installation -60°C		Temp >60 years LOCA +90°C	Temp peak +190°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.