


PTFE / H-REE NPC

PTFE insulated cores, based on: NEMA HP-3
Intended for use as internal wiring of equipment
1000 V AC

Order reference		Conductor				Finished wire				Electrical	
		Nickel Plated Copper (NPC)				PTFE			Weight	DC resistance	DC Current rating In free air at 40°C
		Size	Stranding	Wire	Core	Tolerance					
Description	Article Number	AWG	mm ²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
H-REE 3201 NPC	213cc3201	32	0.03	1 x 0.203	0.20	0.96	0.86	1.07	1.8	580	5
H-REE 3207 NPC	213cc3207		0.04	7 x 0.079	0.24	1.02	0.92	1.12	2.0	610	
H-REE 3219 NPC	213cc3219		0.04	19 x 0.051	0.25	1.02	0.92	1.12	2.0	587	
H-REE 3001 NPC	213cc3001	30	0.05	1 x 0.254	0.25	1.02	0.92	1.12	2.1	360	7
H-REE 3007 NPC	213cc3007		0.06	7 x 0.102	0.30	1.07	0.97	1.17	2.3	360	
H-REE 3019 NPC	213cc3019		0.06	19 x 0.064	0.32	1.07	0.97	1.17	2.3	367	
H-REE 2801 NPC	213cc2801	28	0.08	1 x 0.320	0.32	1.09	0.99	1.19	2.5	227	9
H-REE 2807 NPC	213cc2807		0.09	7 x 0.127	0.38	1.14	1.04	1.24	2.9	221	
H-REE 2819 NPC	213cc2819		0.09	19 x 0.079	0.39	1.14	1.04	1.24	2.9	227	
H-REE 2601 NPC	213cc2601	26	0.13	1 x 0.404	0.40	1.17	1.07	1.27	3.2	143	11
H-REE 2607 NPC	213cc2607		0.14	7 x 0.160	0.48	1.24	1.14	1.35	3.6	138	
H-REE 2619 NPC	213cc2619		0.16	19 x 0.102	0.48	1.24	1.14	1.37	3.8	134	
H-REE 2401 NPC	213cc2401	24	0.20	1 x 0.511	0.51	1.27	1.17	1.37	4.1	89.5	15
H-REE 2407 NPC	213cc2407		0.22	7 x 0.203	0.60	1.37	1.27	1.47	4.8	85.3	
H-REE 2419 NPC	213cc2419		0.24	19 x 0.127	0.60	1.37	1.27	1.50	5.0	82.6	
H-REE 2201 NPC	213cc2201	22	0.32	1 x 0.643	0.64	1.41	1.30	1.52	5.6	56.4	20
H-REE 2207 NPC	213cc2207		0.36	7 x 0.254	0.76	1.52	1.42	1.63	6.4	53.1	
H-REE 2219 NPC	213cc2219		0.38	19 x 0.160	0.76	1.52	1.42	1.68	6.7	51.5	
H-REE 0,5 NPC	213cc0050	-	0.50	19 x 0.185	0.88	1.68	1.58	1.78	7.0	40.1	26
H-REE 2001 NPC	213cc2001	20	0.52	1 x 0.813	0.81	1.57	1.47	1.68	7.7	35.4	26
H-REE 2007 NPC	213cc2007		0.56	7 x 0.320	0.96	1.73	1.63	1.83	8.9	33.4	
H-REE 2019 NPC	213cc2019		0.60	19 x 0.203	0.96	1.73	1.63	1.83	9.5	31.7	
H-REE 0,75 NPC	213cc0075	-	0.75	24 x 0.200	1.05	1.90	1.80	2.00	11	26.7	34
H-REE 1801 NPC	213cc1801	18	0.82	1 x 1.024	1.02	1.80	1.68	1.93	11	22.2	34
H-REE 1807 NPC	213cc1807		0.88	7 x 0.404	1.21	2.00	1.88	2.13	13	21.0	
H-REE 1819 NPC	213cc1819		0.96	19 x 0.254	1.20	2.00	1.88	2.13	14	19.7	
H-REE 1601 NPC	213cc1601	16	1.30	1 x 1.287	1.29	2.11	1.96	2.26	16	14.0	45
H-REE 1619 NPC	213cc1619		1.23	19 x 0.287	1.36	2.26	2.11	2.41	17	15.5	
H-REE 1,5 NPC	213cc0150	-	1.50	30 x 0.250	1.50	2.35	2.20	2.50	20	13.7	49
H-REE 1419 NPC	213cc1419	14	1.87	19 x 0.361	1.70	2.69	2.49	2.90	24	9.81	59
H-REE 2,5 NPC	213cc0250	-	2.50	50 x 0.250	1.95	2.88	2.68	3.08	30	8.21	68

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 Not applicable


Characteristics and key properties

CE	UK CA	RoHS REACH LVD	Current rating	Fluid resistant	Flame resistant	Smoke free	MBR
			IEC 60287	Fuel Oil Water			Fixed = 5x Ø Flexing = 10x Ø
Complies with						Temp low	Temp >20,000 hrs
NEMA HP-3						-65°C	+260°C

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H-REE 1219 NPC	213cc1219	12	3.02	19 x 0.455	2.14	3.17	2.97	3.38	36	6.16	78
H-REE 1237 NPC	213cc1237		2.97	37 x 0.320	2.17	3.20	2.92	3.32	35	6.46	
H-REE 4 NPC	213cc0400	-	4.00	56 x 0.300	2.48	3.45	3.25	3.65	47	5.09	92
H-REE 1037 NPC	213cc1037	10	4.74	37 x 0.404	2.80	3.76	3.48	3.89	52	4.06	104
H-REE 6 NPC	213cc0600	-	6.00	84 x 0.300	2.92	4.24	3.99	4.49	66	3.39	119
H-REE 8133 NPC	213cc8133	8	8.60	133 x 0.287	4.10	5.38	5.05	5.56	94	2.19	156
H-REE 10 NPC	213cc1000	-	10.00	80 x 0.400	3.39	5.48	5.28	5.68	112	1.95	169
H-REE 6133 NPC	213cc6133	6	13.61	133 x 0.361	5.15	7.40	7.26	7.65	155	1.43	211

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Complies with NEMA HP-3								Temp low -65°C	Temp >20,000 hrs +260°C	

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