


# PTFE / H-RE NPC

PTFE insulated cores, based on: NEMA HP-3  
Intended for use as internal wiring of equipment  
600 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 <sup>2</sup>	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
H-RE 3201 NPC	212cc3201	32	0.03	1 x 0.203	0.20	0.74	0.64	0.84	1.1	580	5
H-RE 3207 NPC	212cc3207		0.04	7 x 0.079	0.24	0.76	0.66	0.86	1.2	610	
H-RE 3219 NPC	212cc3219		0.04	19 x 0.051	0.25	0.76	0.66	0.86	1.3	587	
H-RE 3001 NPC	212cc3001	30	0.05	1 x 0.254	0.25	0.76	0.66	0.86	1.3	360	6
H-RE 3007 NPC	212cc3007		0.06	7 x 0.102	0.30	0.81	0.71	0.91	1.5	360	
H-RE 3019 NPC	212cc3019		0.06	19 x 0.064	0.32	0.81	0.71	0.91	1.5	367	
H-RE 2801 NPC	212cc2801	28	0.08	1 x 0.320	0.32	0.84	0.74	0.94	1.7	227	8
H-RE 2807 NPC	212cc2807		0.09	7 x 0.127	0.38	0.89	0.79	0.99	2.0	221	
H-RE 2819 NPC	212cc2819		0.09	19 x 0.079	0.39	0.89	0.79	0.99	2.0	227	
H-RE 2601 NPC	212cc2601	26	0.13	1 x 0.404	0.40	0.91	0.81	1.01	2.3	143	11
H-RE 2607 NPC	212cc2607		0.14	7 x 0.160	0.48	0.99	0.89	1.09	2.7	138	
H-RE 2619 NPC	212cc2619		0.16	19 x 0.102	0.48	1.00	0.90	1.10	2.8	134	
H-RE 2401 NPC	212cc2401	24	0.20	1 x 0.511	0.51	1.02	0.92	1.12	3.1	89.5	15
H-RE 2407 NPC	212cc2407		0.22	7 x 0.203	0.60	1.12	1.02	1.22	3.7	85.3	
H-RE 2419 NPC	212cc2419		0.24	19 x 0.127	0.60	1.13	1.03	1.23	3.9	82.6	
H-RE 2201 NPC	212cc2201	22	0.32	1 x 0.643	0.64	1.15	1.05	1.25	4.4	56.4	19
H-RE 2207 NPC	212cc2207		0.36	7 x 0.254	0.76	1.27	1.17	1.37	5.2	53.1	
H-RE 2219 NPC	212cc2219		0.38	19 x 0.160	0.76	1.30	1.20	1.40	5.5	51.5	
H-RE 0,5 NPC	212cc0050	-	0.50	19 x 0.185	0.88	1.45	1.40	1.50	7.0	40.1	26
H-RE 2001 NPC	212cc2001	20	0.52	1 x 0.813	0.81	1.32	1.22	1.42	6.5	35.4	26
H-RE 2007 NPC	212cc2007		0.56	7 x 0.320	0.96	1.47	1.37	1.57	7.5	33.4	
H-RE 2019 NPC	212cc2019		0.60	19 x 0.203	0.96	1.47	1.37	1.57	8.1	31.7	
H-RE 0,75 NPC	212cc0075	-	0.75	24 x 0.200	1.13	1.65	1.60	1.70	10	26.7	34
H-RE 1801 NPC	212cc1801	18	0.82	1 x 1.024	1.02	1.54	1.44	1.64	9.6	22.2	34
H-RE 1807 NPC	212cc1807		0.88	7 x 0.404	1.21	1.75	1.65	1.85	12	21.0	
H-RE 1819 NPC	212cc1819		0.96	19 x 0.254	1.20	1.75	1.65	1.85	12	19.7	
H-RE 1601 NPC	212cc1601	16	1.30	1 x 1.287	1.29	1.87	1.77	1.97	15	14.0	45
H-RE 1619 NPC	212cc1619		1.23	19 x 0.287	1.36	2.03	1.93	2.13	16	15.5	
H-RE 1,5 NPC	212cc0150	-	1.50	30 x 0.250	1.50	2.15	2.10	2.20	18	13.7	49
H-RE 1419 NPC	212cc1419	14	1.87	19 x 0.361	1.70	2.42	2.32	2.52	23	9.81	59
H-RE 2,5 NPC	212cc0250	-	2.50	50 x 0.250	1.95	2.58	2.53	2.63	28	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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Description	Article Number	AWG	mm <sup>2</sup>	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
H-RE 1219 NPC	212cc1219	12	3.02	19 x 0.455	2.14	2.90	2.80	3.00	34	6.16	79
H-RE 1237 NPC	212cc1237		2.97	37 x 0.320	2.17	2.85	2.67	3.02	41	6.46	
H-RE 1037 NPC	212cc1037	10	4.74	37 x 0.404	2.80	3.40	3.30	3.50	52	4.06	106

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### Characteristics and key properties

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

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