


## PTFE / H-RET NPC

PTFE insulated cores, based on: NEMA HP-3  
Intended for use as internal wiring of equipment  
250 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-RET 3201 NPC	211cc3201	32	0.03	1 x 0.203	0.20	0.52	0.40	0.56	0.70	580	4
H-RET 3207 NPC	211cc3207		0.04	7 x 0.079	0.24	0.56	0.51	0.61	0.80	610	
H-RET 3219 NPC	211cc3219		0.04	19 x 0.051	0.25	0.56	0.51	0.61	0.80	587	
H-RET 3001 NPC	211cc3001	30	0.05	1 x 0.254	0.25	0.56	0.51	0.61	0.90	360	6
H-RET 3007 NPC	211cc3007		0.06	7 x 0.102	0.30	0.61	0.56	0.66	1.0	360	
H-RET 3019 NPC	211cc3019		0.06	19 x 0.064	0.32	0.61	0.56	0.66	1.0	367	
H-RET 2801 NPC	211cc2801	28	0.08	1 x 0.320	0.32	0.64	0.59	0.69	1.2	227	8
H-RET 2807 NPC	211cc2807		0.09	7 x 0.127	0.38	0.69	0.54	0.74	1.5	221	
H-RET 2819 NPC	211cc2819		0.09	19 x 0.079	0.39	0.69	0.54	0.74	1.5	227	
H-RET 2601 NPC	211cc2601	26	0.13	1 x 0.404	0.40	0.71	0.66	0.76	1.7	143	10
H-RET 2607 NPC	211cc2607		0.14	7 x 0.160	0.48	0.79	0.74	0.84	2.1	138	
H-RET 2619 NPC	211cc2619		0.16	19 x 0.102	0.48	0.79	0.74	0.86	2.2	134	
H-RET 2401 NPC	211cc2401	24	0.20	1 x 0.511	0.51	0.81	0.76	0.86	2.5	89.5	14
H-RET 2407 NPC	211cc2407		0.22	7 x 0.203	0.60	0.91	0.86	0.96	3.0	85.3	
H-RET 2419 NPC	211cc2419		0.24	19 x 0.127	0.60	0.91	0.86	0.99	3.2	82.6	
H-RET 2201 NPC	211cc2201	22	0.32	1 x 0.643	0.64	0.95	0.89	1.02	3.7	56.4	19
H-RET 2207 NPC	211cc2207		0.36	7 x 0.254	0.76	1.07	1.02	1.12	4.4	53.1	
H-RET 2219 NPC	211cc2219		0.38	19 x 0.160	0.76	1.07	1.02	1.17	4.7	51.5	
H-RET 0,5 NPC	211cc0050	-	0.50	19 x 0.185	0.88	1.25	1.20	1.30	6.0	40.1	25
H-RET 2001 NPC	211cc2001	20	0.52	1 x 0.813	0.81	1.12	1.07	1.17	5.6	35.4	25
H-RET 2007 NPC	211cc2007		0.56	7 x 0.320	0.96	1.27	1.22	1.32	6.6	33.4	
H-RET 2019 NPC	211cc2019		0.60	19 x 0.203	0.96	1.27	1.22	1.32	7.1	31.7	

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

<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>		<b>Smoke free</b>	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Complies with</b> NEMA HP-3								<b>Temp low</b> <b>-65°C</b>	<b>Temp</b> >20,000 hrs <b>+260°C</b>	

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