


# PTFE / H-RE

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	
		Silver Plated Copper (SPC)				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	312cc3201	32	0.03	1 x 0.203	0.20	0.74	0.64	0.84	1.1	544	4
H-RE 3207	312cc3207		0.04	7 x 0.079	0.24	0.76	0.66	0.86	1.2	557	
H-RE 3219	312cc3219		0.04	19 x 0.051	0.25	0.76	0.66	0.86	1.3	515	
H-RE 3001	312cc3001	30	0.05	1 x 0.254	0.25	0.76	0.66	0.86	1.3	347	5
H-RE 3007	312cc3007		0.06	7 x 0.102	0.30	0.81	0.71	0.91	1.5	328	
H-RE 3019	312cc3019		0.06	19 x 0.064	0.32	0.81	0.71	0.91	1.5	323	
H-RE 2801	312cc2801	28	0.08	1 x 0.320	0.32	0.84	0.74	0.94	1.7	218	7
H-RE 2807	312cc2807		0.09	7 x 0.127	0.38	0.89	0.79	0.99	2.0	208	
H-RE 2819	312cc2819		0.09	19 x 0.079	0.39	0.89	0.79	0.99	2.0	207	
H-RE 2601	312cc2601	26	0.13	1 x 0.404	0.40	0.91	0.81	1.01	2.3	137	10
H-RE 2607	312cc2607		0.14	7 x 0.160	0.48	0.99	0.89	1.09	2.7	130	
H-RE 2619	312cc2619		0.16	19 x 0.102	0.48	1.00	0.90	1.10	2.8	122	
H-RE 2401	312cc2401	24	0.20	1 x 0.511	0.51	1.02	0.92	1.12	3.1	85.9	13
H-RE 2407	312cc2407		0.22	7 x 0.203	0.60	1.12	1.02	1.22	3.7	80.3	
H-RE 2419	312cc2419		0.24	19 x 0.127	0.60	1.13	1.03	1.23	3.9	77.4	
H-RE 2201	312cc2201	22	0.32	1 x 0.643	0.64	1.15	1.05	1.25	4.4	54.1	17
H-RE 2207	312cc2207		0.36	7 x 0.254	0.76	1.27	1.17	1.37	5.2	51.1	
H-RE 2219	312cc2219		0.38	19 x 0.160	0.76	1.30	1.20	1.40	5.5	48.5	
H-RE 0,5	312cc0050	-	0.50	19 x 0.185	0.88	1.45	1.40	1.50	7.0	35.9	23
H-RE 2001	312cc2001	20	0.52	1 x 0.813	0.81	1.32	1.22	1.42	6.5	33.7	22
H-RE 2007	312cc2007		0.56	7 x 0.320	0.96	1.47	1.37	1.57	7.5	32.1	
H-RE 2019	312cc2019		0.60	19 x 0.203	0.96	1.47	1.37	1.57	8.1	29.8	
H-RE 0,75	312cc0075	-	0.75	19 x 0.226	1.13	1.65	1.60	1.70	10	24.3	29
H-RE 1801	312cc1801	18	0.82	1 x 1.024	1.02	1.54	1.44	1.64	9.6	21.3	30
H-RE 1807	312cc1807		0.88	7 x 0.404	1.21	1.75	1.65	1.85	12	20.2	
H-RE 1819	312cc1819		0.96	19 x 0.254	1.20	1.75	1.65	1.85	12	18.9	
H-RE 1601	312cc1601	16	1.30	1 x 1.287	1.29	1.87	1.77	1.97	15	13.4	39
H-RE 1619	312cc1619		1.23	19 x 0.287	1.36	2.03	1.93	2.13	16	14.8	
H-RE 1,5	312cc0150	-	1.50	19 x 0.320	1.50	2.15	2.10	2.20	18	13.7	45
H-RE 1419	312cc1419	14	1.87	19 x 0.361	1.70	2.42	2.32	2.52	23	9.41	53
H-RE 2,5	312cc0250	-	2.50	61 x 0.225	1.95	2.58	2.53	2.63	28	8.21	61

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 IEC 60287	Fluid resistant Fuel Oil Water	Flame resistant	Smoke free	MBR Fixed = 5x Ø Flexing = 10x Ø
Complies with NEMA HP-3						Temp low -65°C	Temp >20,000 hrs +200°C

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H-RE 1219	312cc1219	12	3.02	19 x 0.455	2.14	2.90	2.80	3.00	34	5.93	70
H-RE 1237	312cc1237		2.97	37 x 0.320	2.17	2.85	2.67	3.02	41	6.20	
H-RE 1037	312cc1037	10	4.74	37 x 0.404	2.80	3.40	3.30	3.50	52	3.90	92

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									

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<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>+200°C</b>	

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