

PTFE E & H-RE cores

PTFE insulated, based on: NEMA HP-3

Intended for use as internal wiring of equipment

-65 / +200°C

600/1000V AC U₀/U

Description	Conductor					Finished Core					Article Number
E = extruded & H-RE = wrapped	Size		Silver Plated Copper (SPC)			PTFE			Weight	Amps	
			Stranding	DC resistance	Wire	Core	Tolerance				
	AWG	mm²		Ω/km	Nom Ø		Nom Ø	Min Ø	Max Ø	Nom g/m	
E 3201	32	0.03	1 x 0.203	544.6	0.20	0.74	0.64	0.84	1.1	4	512 / 312cc3201
E 3207		0.04	7 x 0.079	557.7	0.24	0.76	0.66	0.86	1.2		512 / 312cc3207
E 3219		0.04	19 x 0.051	515.0	0.25	0.76	0.66	0.86	1.3		512 / 312cc3219
E 3001	30	0.05	1 x 0.254	347.7	0.25	0.76	0.66	0.86	1.3	5	512 / 312cc3001
E 3007		0.06	7 x 0.102	328.0	0.30	0.81	0.71	0.91	1.5		512 / 312cc3007
E 3019		0.06	19 x 0.064	323.4	0.32	0.81	0.71	0.91	1.5		512 / 312cc3019
E 2801	28	0.08	1 x 0.320	218.8	0.32	0.84	0.74	0.94	1.7	7	512 / 312cc2801
E 2807		0.09	7 x 0.127	208.6	0.38	0.89	0.79	0.99	2.0		512 / 312cc2807
E 2819		0.09	19 x 0.079	207.0	0.39	0.89	0.79	0.99	2.0		512 / 312cc2819
E 2601	26	0.13	1 x 0.404	137.4	0.40	0.91	0.81	1.01	2.3	10	512 / 312cc2601
E 2607		0.14	7 x 0.160	130.2	0.48	0.99	0.89	1.09	2.7		512 / 312cc2607
E 2619		0.16	19 x 0.102	122.3	0.48	1.00	0.90	1.10	2.8		512 / 312cc2619
E 2401	24	0.20	1 x 0.511	85.95	0.51	1.02	0.92	1.12	3.1	13	512 / 312cc2401
E 2407		0.22	7 x 0.203	80.38	0.60	1.12	1.02	1.22	3.7		512 / 312cc2407
E 2419		0.24	19 x 0.127	77.42	0.60	1.13	1.03	1.23	3.9		512 / 312cc2419
E 2201	22	0.32	1 x 0.643	54.13	0.64	1.15	1.05	1.25	4.4	17	512 / 312cc2201
E 2207		0.36	7 x 0.254	51.18	0.76	1.27	1.17	1.37	5.2		512 / 312cc2207
E 2219		0.38	19 x 0.160	48.55	0.76	1.30	1.20	1.40	5.5		512 / 312cc2219
E 2001	20	0.52	1 x 0.813	33.79	0.81	1.32	1.22	1.42	6.5	22	512 / 312cc2001
E 2007		0.56	7 x 0.320	32.18	0.96	1.47	1.37	1.57	7.5		512 / 312cc2007
E 2019		0.60	19 x 0.203	29.85	0.96	1.47	1.37	1.57	8.1		512 / 312cc2019
E 1801	18	0.82	1 x 1.024	21.39	1.02	1.54	1.44	1.64	9.6	30	512 / 312cc1801
E 1807		0.88	7 x 0.404	20.21	1.21	1.75	1.65	1.85	12		512 / 312cc1807
E 1819		0.96	19 x 0.254	18.99	1.20	1.75	1.65	1.85	12		512 / 312cc1819
E 1601	16	1.30	1 x 1.287	13.45	1.29	1.87	1.77	1.97	15	39	512 / 312cc1601
E 1619		1.23	19 x 0.287	14.89	1.36	2.03	1.93	2.13	16		512 / 312cc1619
E 1419	14	1.87	19 x 0.361	9.416	1.70	2.42	2.32	2.52	23	53	512 / 312cc1419
E 1219	12	3.02	19 x 0.455	5.938	2.14	2.90	2.80	3.00	34	70	512 / 312cc1219
E 1237		2.97	37 x 0.320	6.201	2.17	2.85	2.67	3.02	41		512 / 312cc1237
H-RE 1037	10	3.64	37 x 0.404	3.904	2.80	3.40	3.30	3.50	52	94	312cc1037

Available in both extruded 'E' and tape-wrapped 'H-RE' variants. Change the first digit of the article number to select: 512 = extruded 312 = tape-wrapped.
 Sizes 10 AWG and above shall be tape-wrapped only.

Identification

Colours - replace 'cc' in the article number with 2 digits below											
00	11	22	33	44	55	66	77	88	99	29	89
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Clear

For bi-colours: Add 'S' for a spiral or 'C' for a longitudinal stripe, then 2 digits for the colour, to the end of the article no. (e.g. 512222607S66 = Red with a Blue spiral stripe)

Characteristics & key properties

	RoHS 2011/65/EU 2015/863/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	Flame retardant	Low smoke generation	Current rating in free air to IEC 60287
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Data indicates nominal values in millimetres (mm) unless otherwise stated.

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