E (PTFE)

600V
-65°C / +200°C and +260°C

Single core

Temp.	SPC NPC	-65°C to +200°C -65°C to +260°C
Voltage		0.6/1kV AC U_0/U
Test voltage		3.4kV AC
Flame retardant		
Low smoke generation		

- NEMA HP-3

Construction

Conductor	E E NPC	Silver Plated Copper (SPC) Nickel Plated Copper (NPC)	Insulation	PTFE
Shield	-		Sheath	-

Application

PTFE is Habia Cable's foremost insulation material, intended for use up to 260°C. PTFE has excellent mechanical properties, including solder resistance and offers unparalleled electrical performance. Typical applications for PTFE include gas ignition wires, gas turbines, vacuum applications and high temperature data cables. Cores are designed according to NEMA HP-3.

Description	Size		Conductor			Finished Wire			Electrical	Article Number
	AWG	CSA mm²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m	amps at 40°C	
E 3201 E 3201 NPC	32	0.03	1 x 0.203	544.60 580.70	0.20	0.74	±0.10	1.10	3 4	512cc3201 412cc3201
E 3207 E 3207 NPC	32	0.04	7 x 0.079	557.70 610.20	0.24	0.76	±0.10	1.20	3 4	512cc3207 412cc3207
E 3001 E 3001 NPC	30	0.05	1 x 0.254	347.80 360.90	0.25	0.76	±0.10	1.30	4 5	512cc3001 412cc3001
E 3007 E 3007 NPC	30	0.06	7 x 0.102	328.10 360.90	0.30	0.81	±0.10	1.50	4 5	512cc3007 412cc3007
E 2801 E 2801 NPC	28	0.08	1 x 0.320	218.80 227.70	0.32	0.84	±0.10	1.70	6 7	512cc2801 412cc2801
E 2807 E 2807 NPC	28	0.09	7 x 0.127	208.70 221.80	0.38	0.89	±0.10	2.00	6 7	512cc2807 412cc2807
E 2601 E 2601 NPC	26	0.13	1 x 0.404	137.50 143.00	0.40	0.91	±0.10	2.30	8 9	512cc2601 412cc2601
E 2607 E 2607 NPC	26	0.14	7 x 0.160	130.20 138.50	0.48	0.99	±0.10	2.70	8 9	512cc2607 412cc2607
E 2619 E 2619 NPC	26	0.16	19 x 0.102	122.40 134.50	0.48	1.00	±0.10	2.80	8 9	512cc2619 412cc2619
E 2401 E 2401 NPC	24	0.20	1 x 0.511	86.00 89.60	0.51	1.02	±0.10	3.10	10 12	512cc2401 412cc2401
E 2407 E 2407 NPC	24	0.22	7 x 0.203	80.40 85.30	0.60	1.12	±0.10	3.70	10 12	512cc2407 412cc2407
E 2419 E 2419 NPC	24	0.24	19 x 0.127	77.40 82.70	0.60	1.13	±0.10	3.90	10 12	512cc2419 412cc2419
E 2201 E 2201 NPC	22	0.32	1 x 0.643	54.10 56.40	0.64	1.15	±0.10	4.40	14 16	512cc2201 412cc2201
E 2207 E 2207 NPC	22	0.36	7 x 0.254	51.20 53.10	0.76	1.27	±0.10	5.20	14 16	512cc2207 412cc2207
E 2219 E 2219 NPC	22	0.38	19 x 0.160	48.60 51.50	0.76	1.30	±0.10	5.50	14 16	512cc2219 412cc2219
E 2001 E 2001 NPC	20	0.52	1 x 0.813	33.80 35.40	0.81	1.32	±0.10	6.50	19 22	512cc2001 412cc2001
E 2007 E 2007 NPC	20	0.56	7 x 0.320	32.20 33.50	0.96	1.47	±0.10	7.50	19 22	512cc2007 412cc2007
E 2019 E 2019 NPC	20	0.60	19 x 0.203	29.90 31.80	0.96	1.47	±0.10	8.10	19 22	512cc2019 412cc2019
E 1801 E 1801 NPC	18	0.82	1 x 1.024	21.40 22.30	1.02	1.54	±0.10	9.60	27 30	512cc1801 412cc1801
E 1807 E 1807 NPC	18	0.88	7 x 0.404	20.20 21.10	1.21	1.75	±0.10	12.00	27 30	512cc1807 412cc1807
E 1819 E 1819 NPC	18	0.96	19 x 0.254	19.00 19.80	1.20	1.75	±0.10	12.00	27 30	512cc1819 412cc1819
E 1601 E 1601 NPC	16	1.30	1 x 1.287	13.40 14.00	1.29	1.87	±0.10	15.00	32 36	512cc1601 412cc1601
E 1619 E 1619 NPC	16	1.23	19 x 0.287	14.90 15.50	1.36	2.03	±0.10	16.00	32 36	512cc1619 412cc1619
E 1419 E 1419 NPC	14	1.87	19 x 0.361	9.42 9.81	1.70	2.42	±0.10	23.00	43 50	512cc1419 412cc1419
E 1219 E 1219 NPC	12	3.02	19 x 0.455	5.94 6.17	2.14	2.90	±0.10	33.00	59 67	512cc1219 412cc1219
E 1237 E 1237 NPC	12	2.98	37 x 0.320	6.20 6.46	2.24	2.85	±0.10	41.50	59 67	512cc1237 412cc1237

Available colours (replace 'cc' in the order reference)

00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Natural	45 Yel/Grn

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