

EE

PTFE NEMA HP-3

1,000V AC

-65°C / +200°C

Construction

Wire	Silver Plated Copper (SPC)				Insulation	PTFE	Voltage		1000/1900V AC U ₀ /U			
							Test voltage		5000V AC			
Colour (cc)	00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Clear

Description	Size		Conductor			Finished Core				Electrical	Article Number
	AWG	CSA	stranding	resistance	wire	core	tolerance		weight	amps at 40°C	
		mm²		Ω/km	Ø	Ø			g/m		
EE 3201	32	0.03	1 x 0.203	544.60	0.20	0.96	+ 0.11	- 0.10	1.80	3	513cc3201
EE 3207		0.04	7 x 0.079	557.70	0.24	1.02	± 0.10	2.00	513cc3207		
EE 3001	30	0.05	1 x 0.254	347.80	0.25	1.02	± 0.10	2.10	2.30	4	513cc3001
EE 3007		0.06	7 x 0.102	328.10	0.30	1.07	± 0.10	2.30			513cc3007
EE 2801	28	0.08	1 x 0.320	218.80	0.32	1.09	± 0.10	2.50	2.90	6	513cc2801
EE 2807		0.09	7 x 0.127	208.70	0.38	1.14	± 0.10	2.90			513cc2807
EE 2601	26	0.13	1 x 0.404	137.50	0.40	1.17	± 0.10		3.20	8	513cc2601
EE 2607		0.14	7 x 0.160	130.20	0.48	1.24	+ 0.11	- 0.10	3.60		513cc2607
EE 2619		0.16	19 x 0.102	122.40	0.48	1.24	+ 0.13	- 0.10	3.80		513cc2619
EE 2401	24	0.20	1 x 0.511	86.00	0.51	1.27	± 0.10		4.10	10	513cc2401
EE 2407		0.22	7 x 0.203	80.40	0.60	1.37	± 0.10		4.80		513cc2407
EE 2419		0.24	19 x 0.127	77.40	0.60	1.37	+ 0.13	- 0.10	5.00		513cc2419
EE 2201	22	0.32	1 x 0.643	54.10	0.64	1.41	± 0.11		5.60	14	513cc2201
EE 2207		0.36	7 x 0.254	51.20	0.76	1.52	+ 0.11	- 0.10	6.40		513cc2207
EE 2219		0.38	19 x 0.160	48.60	0.76	1.52	+ 0.16	- 0.10	6.70		513cc2219
EE 2001	20	0.52	1 x 0.813	33.80	0.81	1.57	+ 0.11	- 0.10	7.70	19	513cc2001
EE 2007		0.56	7 x 0.320	32.20	0.96	1.73	± 0.10		8.90		513cc2007
EE 2019		0.60	19 x 0.203	29.90	0.96	1.73	± 0.10		9.50		513cc2019
EE 1801	18	0.82	1 x 1.024	21.40	1.02	1.80	+ 0.13	- 0.12	11.00	27	513cc1801
EE 1807		0.88	7 x 0.404	20.20	1.21	2.00	+ 0.13	- 0.12	13.00		513cc1807
EE 1819		0.96	19 x 0.254	19.00	1.20	2.00	+ 0.13	- 0.12	14.00		513cc1819
EE 1601	16	1.30	1 x 1.287	13.40	1.29	2.11	± 0.15		16.00	32	513cc1601
EE 1619		1.23	19 x 0.287	14.90	1.36	2.26	± 0.15		17.00		513cc1619
EE 1419	14	1.87	19 x 0.361	9.42	1.70	2.69	+ 0.21	- 0.20	24.00	43	513cc1419
EE 1219	12	3.02	19 x 0.455	5.94	2.14	3.17	+ 0.21	- 0.20	36.00	59	513cc1219



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.

- Flame retardant: IEC 60332-1, IEC 60332-3-24
- Low smoke generation: IEC 61034-2
- RoHS compliant
- In accordance with: NEMA HP-3

EE NPC

PTFE NEMA HP-3

1,000V AC

-65°C / +260°C

Construction

Wire	Nickel Plated Copper (NPC)				Insulation	PTFE	Voltage		1000/1900V AC U ₀ /U _i			
							Test voltage		5000V AC			
Colour (cc)	00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Clear

Description	Size		Conductor			Finished Core				Electrical	Article Number
	AWG	CSA	stranding	resistance	wire	core	tolerance		weight	amps at 40°C	
		mm²		Ω/km	Ø	Ø			g/m		
EE 3201 NPC	32	0.03	1 x 0.203	580.70	0.20	0.96	+ 0.11	- 0.10	1.80	4	413cc3201
EE 3207 NPC		0.04	7 x 0.079	610.20	0.24	1.02	± 0.10	2.00	413cc3207		
EE 3001 NPC	30	0.05	1 x 0.254	360.90	0.25	1.02	± 0.10	2.10	5	413cc3001	
EE 3007 NPC		0.06	7 x 0.102	360.90	0.30	1.07	± 0.10	2.30		413cc3007	
EE 2801 NPC	28	0.08	1 x 0.320	227.70	0.32	1.09	± 0.10	2.50	7	413cc2801	
EE 2807 NPC		0.09	7 x 0.127	221.80	0.38	1.14	± 0.10	2.90		413cc2807	
EE 2601 NPC	26	0.13	1 x 0.404	143.00	0.40	1.17	± 0.10	3.20	9	413cc2601	
EE 2607 NPC		0.14	7 x 0.160	138.50	0.48	1.24	+ 0.11	- 0.10		3.60	413cc2607
EE 2619 NPC		0.16	19 x 0.102	134.50	0.48	1.24	+ 0.13	- 0.10		3.80	413cc2619
EE 2401 NPC	24	0.20	1 x 0.511	89.60	0.51	1.27	± 0.10	4.10	12	413cc2401	
EE 2407 NPC		0.22	7 x 0.203	85.30	0.60	1.37	± 0.10	4.80		413cc2407	
EE 2419 NPC		0.24	19 x 0.127	82.70	0.60	1.37	+ 0.13	- 0.10		5.00	413cc2419
EE 2201 NPC	22	0.32	1 x 0.643	56.40	0.64	1.41	± 0.11	5.60	16	413cc2201	
EE 2207 NPC		0.36	7 x 0.254	53.10	0.76	1.52	+ 0.11	- 0.10		6.40	413cc2207
EE 2219 NPC		0.38	19 x 0.160	51.50	0.76	1.52	+ 0.16	- 0.10		6.70	413cc2219
EE 2001 NPC	20	0.52	1 x 0.813	35.40	0.81	1.57	+ 0.11	- 0.10	7.70	22	413cc2001
EE 2007 NPC		0.56	7 x 0.320	33.50	0.96	1.73	± 0.10	8.90	413cc2007		
EE 2019 NPC		0.60	19 x 0.203	31.80	0.96	1.73	± 0.10	9.50	413cc2019		
EE 1801 NPC	18	0.82	1 x 1.024	22.30	1.02	1.80	+ 0.13	- 0.12	11.00	30	413cc1801
EE 1807 NPC		0.88	7 x 0.404	21.10	1.21	2.00	+ 0.13	- 0.12	13.00		413cc1807
EE 1819 NPC		0.96	19 x 0.254	19.80	1.20	2.00	+ 0.13	- 0.12	14.00		413cc1819
EE 1601 NPC	16	1.30	1 x 1.287	14.00	1.29	2.11	± 0.15	16.00	36	413cc1601	
EE 1619 NPC		1.23	19 x 0.287	15.50	1.36	2.26	± 0.15	17.00		413cc1619	
EE 1419 NPC	14	1.87	19 x 0.361	9.81	1.70	2.69	+ 0.21	- 0.20	24.00	50	413cc1419
EE 1219 NPC	12	3.02	19 x 0.455	6.17	2.14	3.17	+ 0.21	- 0.20	36.00	67	413cc1219



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.

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