ETFE flame retardant, low smoke cores 1kV/150°C

H-ZZ xxxx TPC
H-ZZ xxxx

Key features:

Voltage rating:	1000/1900V
Test voltage:	5000V
Temperature range:	-65°C / +150°C
Radiation tolerant:	10^5 Gy
Flame retardant	
Low smoke generation	
RoHS Compliant	
Also referred to as:	ZZ xxxx TPC
	ZZ xxxx

Application:

ETFE offers an excellent range of physical properties such as mechanical toughness, flex-life, fire performance and chemical resistance. ETFE cores are ideal for all-round general purpose use and are used extensively in both military and industrial applications.

Wire construction:

Conductor: H-ZZ xxxx TPC: Tin Plated Copper (TPC)
H-ZZ xxxx: Silver Plated Copper (SPC)
Insulation: Extruded ETFE

Prefix (AAA):

579
569

Order reference (AAAccZZZZ):

Prefix: AAA *(e.g. 579, see above)* + colour code: cc *(e.g. 00, see below)* + size: ZZZZ *(e.g. 3201, see table)*

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

Description	Size		Conductor			Finished Wire			Electrical		Order reference
	AWG	CSA mm²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m	amps at 40°C TPC	amps at 40°C SPC	
H-ZZ 3201 ...	32	0,03	1 x 0,20	584,00	0,20	0,91	±0,05	1,2	2	2	AAAcc3201
H-ZZ 3207 ...	32	0,04	7 x 0,08	597,10	0,24	0,94	±0,05	1,2	2	2	AAAcc3207
H-ZZ 3001 ...	30	0,05	1 x 0,25	374,00	0,25	0,96	±0,05	1,5	3	3	AAAcc3001
H-ZZ 3007 ...	30	0,06	7 x 0,10	354,30	0,30	1,01	±0,05	1,5	3	3	AAAcc3007
H-ZZ 2801 ...	28	0,08	1 x 0,32	232,30	0,32	1,03	±0,05	2,0	4	4	AAAcc2801
H-ZZ 2807 ...	28	0,09	7 x 0,13	223,80	0,38	1,09	±0,05	2,0	4	4	AAAcc2807
H-ZZ 2601 ...	26	0,13	1 x 0,40	146,00	0,40	1,11	±0,05	2,6	6	6	AAAcc2601
H-ZZ 2607 ...	26	0,14	7 x 0,16	139,80	0,48	1,19	±0,05	2,7	6	6	AAAcc2607
H-ZZ 2619 ...	26	0,16	19 x 0,10	131,60	0,48	1,19	±0,05	2,8	6	6	AAAcc2619
H-ZZ 2401 ...	24	0,20	1 x 0,51	89,20	0,51	1,22	±0,05	3,5	9	9	AAAcc2401
H-ZZ 2407 ...	24	0,22	7 x 0,20	86,00	0,60	1,31	±0,05	3,7	9	9	AAAcc2407
H-ZZ 2419 ...	24	0,24	19 x 0,13	83,30	0,60	1,31	±0,05	3,9	9	9	AAAcc2419
H-ZZ 2201 ...	22	0,32	1 x 0,64	56,40	0,64	1,35	±0,05	5,0	12	12	AAAcc2201
H-ZZ 2207 ...	22	0,36	7 x 0,25	54,80	0,76	1,47	±0,05	5,2	12	12	AAAcc2207
H-ZZ 2219 ...	22	0,38	19 x 0,16	52,20	0,76	1,47	±0,05	5,5	12	12	AAAcc2219
H-ZZ 2001 ...	20	0,52	1 x 0,81	35,10	0,81	1,52	±0,05	6,8	16	16	AAAcc2001
H-ZZ 2007 ...	20	0,56	7 x 0,32	34,10	0,96	1,67	±0,05	7,5	16	16	AAAcc2007
H-ZZ 2019 ...	20	0,60	19 x 0,20	32,00	0,97	1,67	±0,05	8,1	16	16	AAAcc2019
H-ZZ 1819 ...	18	0,96	19 x 0,25	20,40	1,21	2,00	±0,08	12,0	22	22	AAAcc1819
H-ZZ 1619 ...	16	1,23	19 x 0,29	15,80	1,36	2,19	±0,13	16,0	27	27	AAAcc1619
H-ZZ 1419 ...	14	1,87	19 x 0,36	10,00	1,70	2,58	±0,13	20,0	37	37	AAAcc1419
H-ZZ 1219 ...	12	3,02	19 x 0,45	6,30	2,14	3,09	±0,16	33,0	50	50	AAAcc1219
H-ZZ 1037 ...	10	4,65	37 x 0,40	4,13	2,82	3,62	±0,16	55,0	69	69	AAAcc1037
H-ZZ 8133 ...	8	8,60	133 x 0,29	2,30	4,10	5,20	±0,21	95,0	109	109	AAAcc8133
H-ZZ 6133 ...	6	14,00	133 x 0,36	1,46	5,13	6,20	±0,30	140,0	150	150	AAAcc6133
H-ZZ 4133 ...	4	22,00	133 x 0,45	0,92	6,75	7,80	±0,40	225,0	207	207	AAAcc4133
H-ZZ 2665 ...	2	34,00	655 x 0,25	0,60	8,51	9,50	±0,50	335,0	tbc	tbc	AAAcc2665

Note: resistance values are for TPC. For accurate SPC values see Custom Design: Conductors: Resistance values: Table 3

De-rating Factors for Current Rating														
Temperature de-rating (°C)	10	20	30	40	50	60	70	80	90	100	110	120	130	140
	1.16	1.11	1.06	1.00	0.94	0.88	0.82	0.76	0.69	0.62	0.54	0.45	0.35	0.23
Multicore de-rating factor	2	3	4	6	8	10	12	16	20	24	28	32	36	40
	1.00	0.88	0.80	0.69	0.62	0.59	0.55	0.51	0.48	0.43	0.41	0.39	0.38	0.36

Note: All dimensions in mm and ±4% unless stated Date: 2011-01-27 Created: CJV Approved: TN Reference: EQ_ZZ_11