

ETFE flame retardant, low smoke cores

250V/150°C

H-ZT xxxx TPC
H-ZT xxxx

Key features:

Voltage rating: 250/500V
 Test voltage: 2500V
 Temperature range: -65°C / +150°C
 Radiation tolerant: 10⁵ Gy
 Flame retardant
 Low smoke generation
 RoHS Compliant
 Also referred to as: ZT xxxx TPC
 ZT 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:

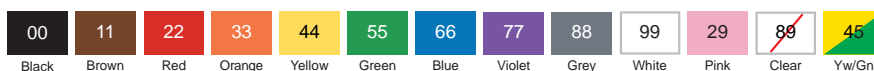
Conductor: H-ZT xxxx TPC: Tin Plated Copper (TPC)
 H-ZT xxxx: Silver Plated Copper (SPC)
 Insulation: Extruded ETFE

Prefix (AAA):

577
567

Order reference (AAAccZZZZ):

Prefix: AAA (e.g. 577, see above) + colour code: cc (e.g. 00, see below) + size: ZZZZ (e.g. 3007, see table)



Description	Size		Conductor			Finished Wire			Electrical		Order reference
	AWG	CSA mm ²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m	amps at 40°C		
									TPC	SPC	
H-ZT 3007 ...	30	0,06	7 x 0,10	354,30	0,30	0,61	±0,04	1,0	3	3	AAAcc3007
H-ZT 2807 ...	28	0,09	7 x 0,13	223,80	0,38	0,68	±0,04	1,5	4	4	AAAcc2807
H-ZT 2607 ...	26	0,14	7 x 0,16	139,80	0,48	0,81	±0,05	2,1	6	6	AAAcc2607
H-ZT 2619 ...	26	0,16	19 x 0,10	131,60	0,48	0,81	±0,05	2,2	6	6	AAAcc2619
H-ZT 2407 ...	24	0,22	7 x 0,20	86,00	0,60	0,91	±0,05	3,0	9	9	AAAcc2407
H-ZT 2419 ...	24	0,24	19 x 0,13	83,30	0,60	0,91	±0,05	3,2	9	9	AAAcc2419
H-ZT 2207 ...	22	0,36	7 x 0,25	54,80	0,76	1,09	±0,05	4,4	12	12	AAAcc2207
H-ZT 2219 ...	22	0,38	19 x 0,16	52,20	0,76	1,09	±0,05	4,7	12	12	AAAcc2219
H-ZT 2007 ...	20	0,56	7 x 0,32	34,10	0,96	1,30	±0,05	6,6	16	16	AAAcc2007
H-ZT 2019 ...	20	0,60	19 x 0,20	32,00	0,97	1,30	±0,05	7,1	16	16	AAAcc2019

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
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_ZT_11
 Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.