

ZHT is a cross linked heat shrinkable polyolefin tubing offering thin wall, zero-halogen, low smoke, low toxicity and flame retardant properties. Specifically designed for railway, transportation, marine, offshore and construction markets. Common applications include insulation, marking, identification, strain relief, mechanical protection and colour coding.

Available in a number of colour options and sizes, see table below. To order add required colour to the appropriate part number.

- Installation temperature: +120°C
- Operating temperature range: -30°C to +125°C

### LUL approved

Complies with LU Standard 1-085 'Fire Safety Performance of Materials' (as a 'minor use' item).

### UL approved - File No. E180908

Please specify if UL approval is required on order together with the appropriate part number. Please note that this UL certified product is made to order and is subject to MOQ's and longer lead times.



Properties	Test Method	Data
Thermal heat ageing	-	168 hours at +135°C, 4 hours at +175°C
Dielectric strength	ASTM D2671	15 kV/mm Min - No breakdown
Flammability	ASTM D876	Fire hazard duration of burning 30s maximum
	VW-1	Pass
Smoke Index	BS3G 198-3 Annex B	20 maximum
Oxygen index	ISO 4569 BS 6853 Class 1	32 minimum
Chemical resistance	ISO 1817 Test B	Aircraft fuel and hydraulic fluid @ +23°C for 24 hours
	NATO S1714	Silicone synthetic fluid



Part Number		As Supplied		Fully Recovered		Pack Size
Standard	UL Approved	Min Ø mm	Lay Flat Width mm	Max Ø mm	Nom. Wall mm	Spools
ZHT-1.2-Colour	ZHT-1.2-Colour-UL	1.2	n/a	0.6	0.45	150m
ZHT-1.6-Colour	ZHT-1.6-Colour-UL	1.6	n/a	0.8	0.43	150m
ZHT-2.4-Colour	ZHT-2.4-Colour-UL	2.4	n/a	1.2	0.51	150m
ZHT-3.2-Colour	ZHT-3.2-Colour-UL	3.2	6	1.6	0.51	150m
ZHT-4.8-Colour	ZHT-4.8-Colour-UL	4.8	8	2.4	0.51	150m
ZHT-6.4-Colour	ZHT-6.4-Colour-UL	6.4	10	3.2	0.65	75m
ZHT-9.5-Colour	ZHT-9.5-Colour-UL	9.5	15	4.8	0.65	75m
ZHT-12.7-Colour	ZHT-12.7-Colour-UL	12.7	20	6.4	0.65	75m
ZHT-19.1-Colour	ZHT-19.1-Colour-UL	19.1	30	9.5	0.75	30m
ZHT-25.4-Colour	ZHT-25.4-Colour-UL	25.4	40	12.7	0.90	30m
ZHT-38.1-Colour	ZHT-38.1-Colour-UL	38.1	60	19.0	1.00	30m
ZHT-50.8-Colour	ZHT-50.8-Colour-UL	50.8	80	25.4	1.15	30m

All information provided is believed to be reliable. We advise however that customers should separately evaluate the suitability of our products for their particular application. IS-Rayfast give no guarantee in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect, or consequential damage or damages from the sale, resale, transfer, use or misuse of the product.

Tel: +44 (0)1793 616700 • Fax: +44 (0)1793 644304  
 uksales@is-rayfast.com • export@is-rayfast.com

[www.is-rayfast.com](http://www.is-rayfast.com)

2 Lydiard Fields, Swindon, Wiltshire, SN5 8UB, UK.

