



CHS21 is a flexible, flame-retardant polyolefin heat shrinkable tubing. It is low smoke generating, abrasion resistant and in case of burning produces no dioxin. CHS21 has excellent electrical and physical properties, including excellent acid fastness and corrosion resistance.

This product has the certifications below:



Colours Available:

- | | | | |
|--|--|--|-------|
| | Red | | Brown |
| | Blue | | Black |
| | Green | | White |
| | Yellow | | |
| | Earth | | |
| | Grey | | |
| | Clear (CHS21 Clear is not flame retardant) | | |

Material Specification:

Material: Polyolefin
Shrink Ratio: 2:1
Operating Temperature Range: -55°C - +125°C
Flammability: VW-1
Excellent electrical, physical and chemical properties
UL, RoHS and REACH compliant

C TIE

Unit 5, Axiom Business Park,
41 Balcombe Road, Horley, Surrey, RH6 7HF
Tel: 01737 760645 Fax: 01737 760946
E-mail: sales@ctie.co.uk

Property	Specification Requirement	Test Method	Typical Result
Longitudinal Shrinkage	<10%	ASTM D 2671	<5%
Tensile Strength	10.4 MPa min	ASTM D 638	>12 MPa
Elongation at break	200% min	ASTM D 638	>400%
Tensile strength after ageing (175oC, 168hrs)	7.28 MPa min	ASTM D 638	>10.4 MPa
Elongation after ageing (175oC, 168hrs)	100% min	ASTM D 638	>300%
Heat shock (250oC, 4hrs)	No Crack	ASTM D 2671	No Crack
Low temperature flexibility (-55oC, 4hrs)	No Crack	ASTM D 2671	No Crack
Dielectric voltage withstand	2500V, 60 sec, no breakdown	ASTM D 2671	No Breakdown
Dielectric Strength	19.7 KV/mm min	ASTM S 2671	>25 KV/mm
Volume resistivity	10 ¹⁴ Ω cm min	ASTM D 876	>10 ¹⁴ Ω cm
Corrosion	No Corrosion	ASTM D 2671	No Corrosion
Flammability	VW-1	UL224	Pass

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All Specifications
 are Subject to
 change