

Heat Shrink



Eland Product Group: **FCA**

APPLICATION

Heat shrink tubing is used on wiring assemblies, splices, terminals, connectors and to moisture proof electrical parts. The product has excellent properties of insulation, abrasion resistance and environmental protection.

CONSTRUCTION

Material

Flame retardant Polyolefin to ULVW-1, UL22Y/MIL-1-23053

STANDARDS

UL224 105°C, CSA C22.2 No 198.1 OFT, MIL-DTL-23053/5/1

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].



DIMENSIONS

ELAND PART NO.	MINIMUM OD SUPPLIED mm	MAXIMUM OD RECOVERED mm	RECOVERED WALL THICKNESS mm
FHS1.2	1.2	0.6	0.41
FHS1.6	1.6	0.8	0.43
FHS2.4	2.4	1.2	0.51
FHS3.2	3.2	1.6	0.51
FHS4.8	4.8	2.4	0.51
FHS6.4	6.4	3.2	0.65
FHS9.5	9.5	4.7	0.65
FHS12.7	12.7	6.4	0.65
FHS19.1	19.1	9.5	0.77
FHS25.4	25.4	12.7	0.89
FHS38.1	38.1	19.1	1.00
FHS50.8	50.8	25.4	1.10
FHS76.2	76.2	38.1	1.30
FHS101.6	101.6	50.8	1.40

PROPERTIES	TEST METHOD	TYPICAL VALUE
Physical		
Tensile Strength	ASTM D 638	13N/mm ²
Elongation at Break	ASTM D 638	400%
Longitudinal Change	ASTM D 2671	+5%, -10%
Water Absorption	ASTM D 570	0.15%
Specific Gravity	ASTM D 792	1.35
Thermal		
Continuous Operating Temperature		-55°C to +125°C
Minimum Shrink Temperature		<100°C
Heat Shock 4 hours at 250°C	ASTM D 2671	No dripping, cracking or flowing
Heat Ageing 168 hours at 175°C	ASTM D 638	Elongation 250%
Low Temperature Flexibility -55°C	ASTM D 2671C	No cracking
Flammability	UL 224	Pass (colours only)
FHS101.6	101.6	50.8
Chemical		
Fungus Resistance	MIL-DTL-7444	Inert
Fluid Resistance	MIL-DTL-23053/5	Good
Copper Corrosion	ASTM D 2671B	Good
Electrical		
Dielectric Strength	ASTM D 2671	20kV / mm
Volume Resistivity	ASTM D 257	1014 ohm.cm