

INSULATE
SEAL
PROTECT

4:1
SHRINK RATIO



THIN WALL ADHESIVE LINED CROSS-LINKED POLYOLEFIN

FLEXIBLE HEAT SHRINK TUBING WITH A TEMPERATURE RESISTANT POLYAMIDE ADHESIVE INNER LINING. IDEAL FOR PROTECTING COMPONENTS IN A WIDE RANGE OF ELECTRICAL AND MECHANICAL APPLICATIONS WHERE ADHESION TO CONNECTOR AND METAL SUBSTRATES IS CRITICAL

FEATURES AND BENEFITS

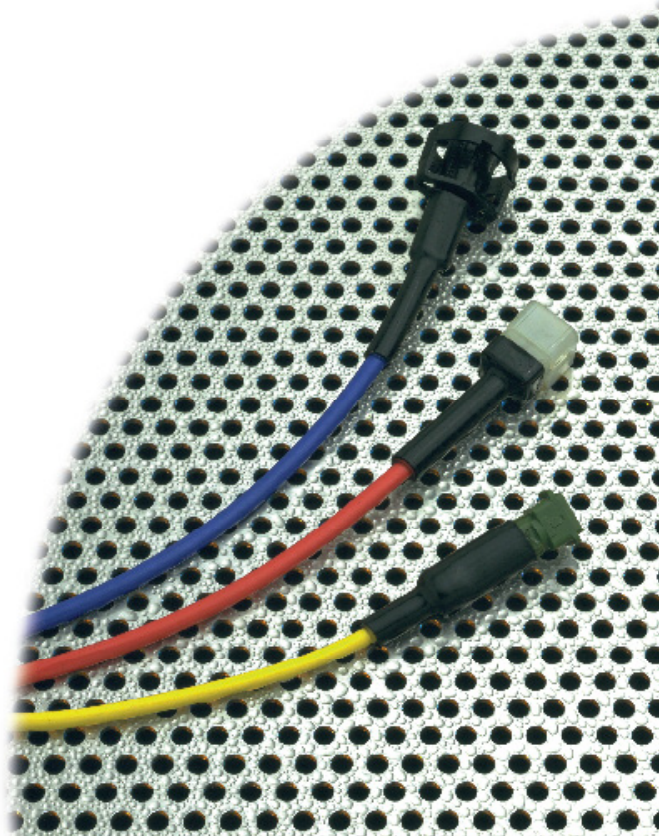
- 4:1 shrink ratio allows for coverage of irregularly shaped connectors and components
- Flame retardant
- Specially designed polyamide adhesive protects components at higher temperatures
- Superior sealing against water and other contaminants
- Inner adhesive bonds to plastics, rubbers and metals
- Continuous operating temperature: -55°C to 125°C
- Shrink temperature: 100°C

STANDARDS

- Meets VG 95343, Part 12, Type D
- Automotive OEM approvals

TYPICAL APPLICATIONS

- Retrofit protection of connectors
- Repair of damaged wire harnesses
- Moisture sealing and strain relief at connectors and terminals



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED						LENGTH	
	INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		TOTAL WALL THICKNESS (NOM.) W		ADHESIVE WALL THICKNESS (NOM.)			
	MM	IN	MM	IN	MM	IN	MM	IN	M	FT
0157	4.0	0.157	1.0	0.039	1.00	0.039	0.40	0.016	300	984
0315	8.0	0.315	2.0	0.080	1.20	0.045	0.40	0.016	150	492
0472	12.0	0.472	3.0	0.118	1.40	0.055	0.40	0.016	100	328
0630	16.0	0.630	4.0	0.160	1.70	0.066	0.60	0.023	50	164
0945	24.0	0.945	6.0	0.240	2.10	0.083	0.60	0.023	50	164
1260	32.0	1.260	8.0	0.315	2.40	0.094	0.70	0.027	50	164
2047	52.0	2.047	13.0	0.512	2.40	0.094	0.70	0.027	30	98

TECHNICAL DATA

PROPERTY	TEST METHOD	TYPICAL PERFORMANCE
PHYSICAL		
Tensile Strength	ASTM D2671, IEC 811-1-1	2,000 psi (14 MPa)
Elongation	ASTM D2671, IEC 811-1-1	600%
Longitudinal Change	ASTM D792	20% max.
Specific Gravity	ASTM D792	1.25 g/cm max.
Heat Resistant Properties (168 hr at 175°C)	ASTM D2671, IEC 811-1-1	No Cracking or Flowing
Heat Shock (4 hrs at 250°C)	ASTM D2671, IEC 811-1-1	No Cracking or Flowing
Low Temperature Flexibility (4 hr at -55°C)	ASTM D2671	No Cracking
Flammability	ASTM D2671	Flame Retardant (except Clear)
ELECTRICAL		
Dielectric Strength	ASTM D2671, VDE 0303	16 kV/mm
Volume Resistivity	ASTM D2671, VDE 0303	10 ¹⁴ ohm-cm
CHEMICAL		
Fluid Resistivity	Mil 23053/5 4.6.11	Good to Excellent
Copper Corrosion	ASTM D2671, Method A and B	Non-corrosive
Water Absorption	VDE 04672	0.10% max.

ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK) or Clear (CL)
- Please specify the product name plus the options you require
- Order Example: DERAY® IHKT, 0157, black, 984 ft lengths

Please contact your Customer Service Representative for information on custom colours, sizes and lengths and material data sheet.