

DSG-CANUSA

A SHAWCOR COMPANY

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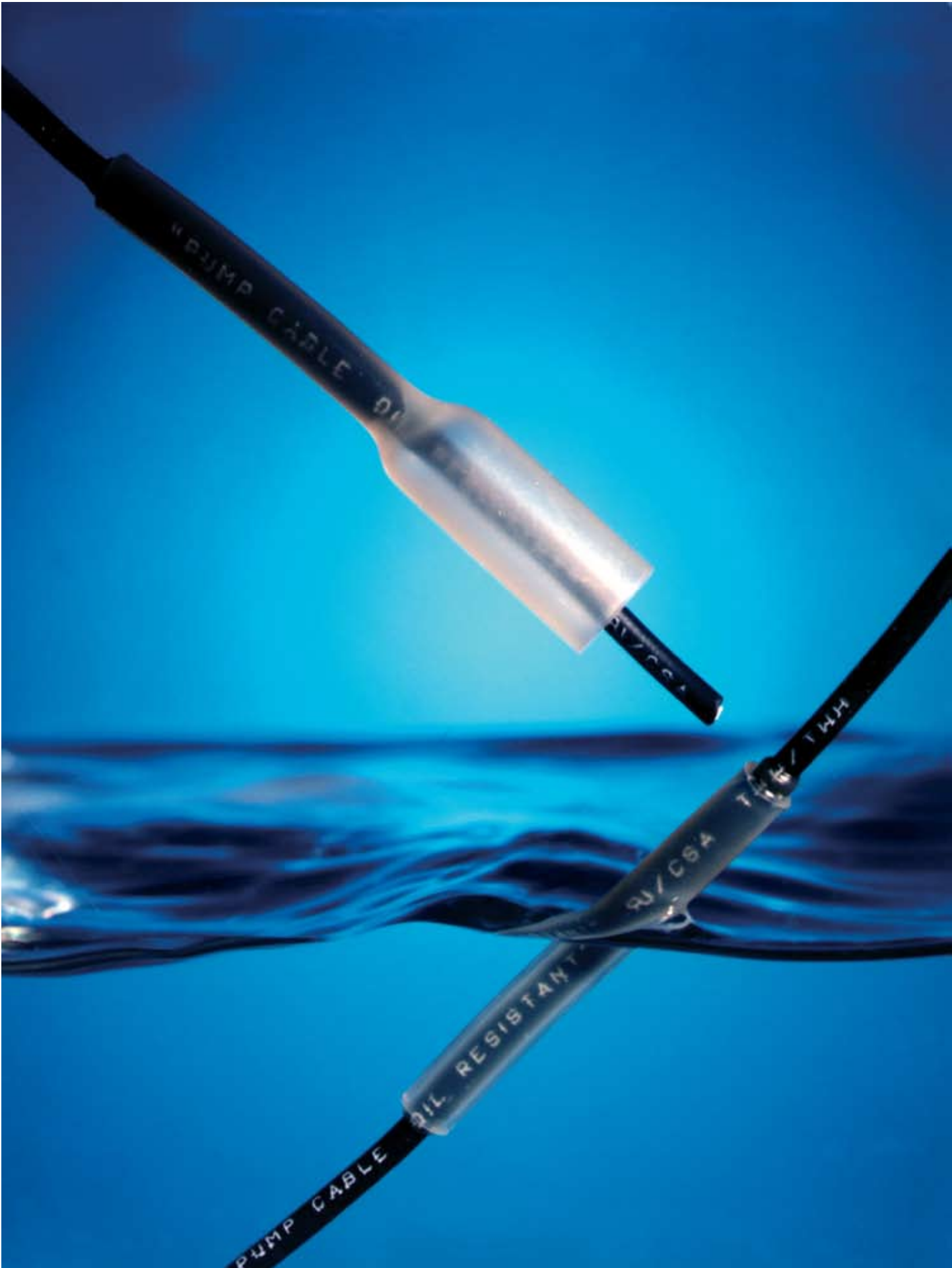
DUAL WALL PRODUCTS



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DUAL WALL PRODUCTS

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DUAL WALL PRODUCTS

DSG-Canusa offers a wide range of dual wall, adhesive lined products for the automotive, electronics and military/aerospace industries. The available combinations of jacket materials and adhesives allow the customer to choose just the right tubing for the application and environmental conditions. Typical applications include:

- In-line Splicing
- Terminal Sealing
- Strain Relief
- Mechanical Protection
- Connector/Terminal Sealing

CPA 100

3:1
SHRINK RATIO



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THIN WALL ADHESIVE LINED CROSS-LINKED POLYOLEFIN

Adhesive lined heat shrink tubing with environmental sealing capability ideal for a variety of applications including automotive and marine wire harness bundles, industrial splices, breakouts and connector to cable transitions

FEATURES AND BENEFITS

- 3:1 shrink ratio
- Flame retardant
- Superior sealing against water, moisture or other contaminants
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Inner adhesive bonds to plastics, rubber, neoprene, steel and polyethylene
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

STANDARDS

- Industrial, electronic and automotive OEM approvals

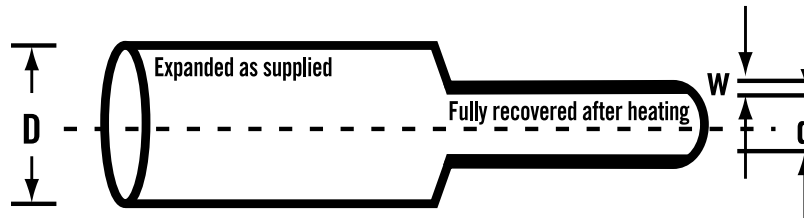
TYPICAL APPLICATIONS

- Environmental sealing and strain relief of connectors and terminals
- Moisture sealing and electrical insulation of simple in-line splices
- Abrasion resistance for tubes and pipes
- Repair of damaged wire harnesses



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED						LENGTHS (STICKS)	
	INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		TOTAL WALL THICKNESS (NOM.) W		MELTABLE WALL THICKNESS (NOM.)			
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0125	3.2	1/8	1.0	0.040	1.0	0.040	0.5	0.020	1.2	48
0187	4.7	3/16	1.5	0.060	1.0	0.040	0.5	0.020	1.2	48
0250	6.4	1/4	2.0	0.080	1.0	0.040	0.5	0.020	1.2	48
0312	7.9	5/16	2.5	0.100	1.3	0.050	0.7	0.027	1.2	48
0375	9.5	3/8	3.2	0.125	1.5	0.060	0.7	0.027	1.2	48
0500	12.7	1/2	4.1	0.160	1.8	0.070	0.8	0.030	1.2	48
0750	19.1	3/4	6.4	0.250	1.8	0.070	0.8	0.030	1.2	48
1000	25.4	1	8.1	0.320	2.5	0.100	1.0	0.040	1.2	48
1250	31.8	1¼	10.6	0.416	2.5	0.100	1.0	0.040	1.2	48
1500	39.9	1½	13.0	0.510	2.5	0.100	1.0	0.040	1.2	48



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), Red (RD), Clear (CL), Blue (BL), White (WT), Yellow (YW)
 - Length: Standard Stick, Spool or custom length
- Please specify the product name, order number and options you require
- Order Example: CPA 100, 0125, black, 48 in lengths

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

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees 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 arising from the sale, resale, transfer, use or misuse of the product.

CPA 300

3:1
SHRINK RATIO



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THIN WALL ADHESIVE LINED CROSS-LINKED POLYOLEFIN

Adhesive lined heat shrink tubing ideal for applications where both exceptional flame retardancy and environmental sealing capabilities are required

FEATURES AND BENEFITS

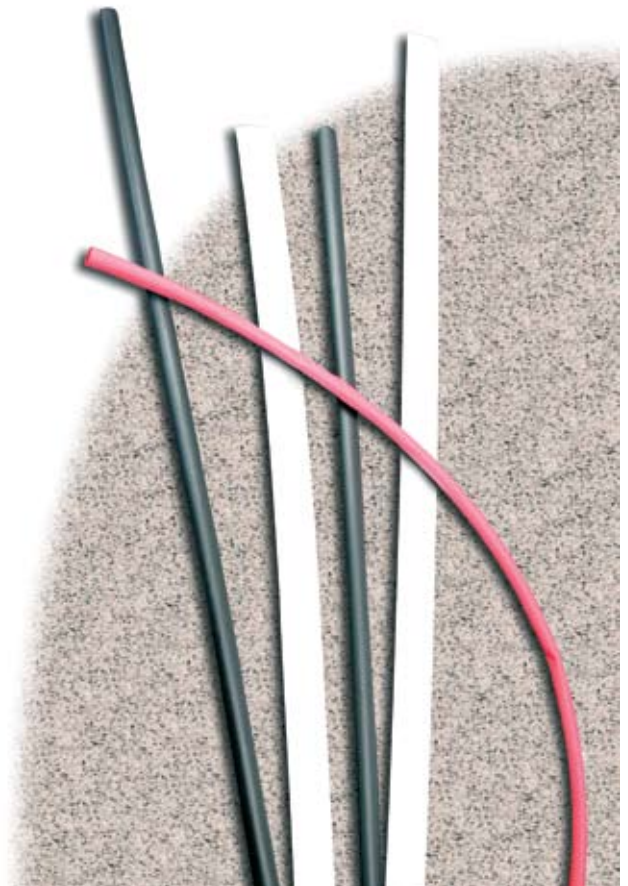
- 3:1 shrink ratio
- Highly flame retardant
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Adhesive liner bonds to plastics, rubber, neoprene, steel and polyethylene
- Superior sealing against water, moisture and other contaminants
- Superior protection for ring terminals without excessive adhesive flow
- Continuous operating temperature: -55°C to 125°C
- Shrink temperature: 120°C

STANDARDS

- Meets SAE-AMS-DTL-23053/4, Class 3; UL 224, 125°C; Automotive OEM Approvals

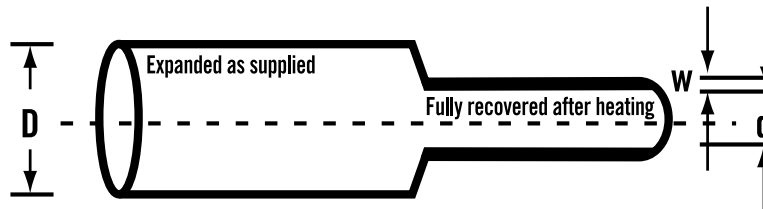
TYPICAL APPLICATIONS

- Environmental sealing of simple in-line splices
- Strain relief and sealing of connectors and terminals
- Mechanical protection of components



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED						LENGTHS (STICKS)	
	INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		TOTAL WALL THICKNESS (NOM.) W		MELTABLE WALL THICKNESS (NOM.)			
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0125	3.2	1/8	1.0	0.040	1.0	0.040	0.5	0.020	1.2	48
0187	4.7	3/16	1.5	0.060	1.0	0.040	0.5	0.020	1.2	48
0250	6.4	1/4	2.0	0.080	1.0	0.040	0.5	0.020	1.2	48
0375	9.5	3/8	3.2	0.125	1.5	0.060	0.7	0.027	1.2	48
0500	12.7	1/2	4.1	0.160	1.8	0.070	0.8	0.030	1.2	48
0750	19.1	3/4	6.4	0.250	1.8	0.070	0.8	0.030	1.2	48
1000	25.4	1	8.1	0.320	2.5	0.100	1.0	0.040	1.2	48
1250	31.8	1¼	10.6	0.416	2.5	0.100	1.0	0.040	1.2	48
1500	39.9	1½	13.0	0.510	2.5	0.100	1.0	0.040	1.2	48



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), White (WT), Red (RD)
- Please specify the product name, order number and options you require
- Order Example: CPA 300, 0125, black, 48 in lengths

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

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees 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 arising from the sale, resale, transfer, use or misuse of the product.

CWWT 450

4:1
SHRINK RATIO



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THIN WALL ADHESIVE LINED CROSS-LINKED POLYOLEFIN

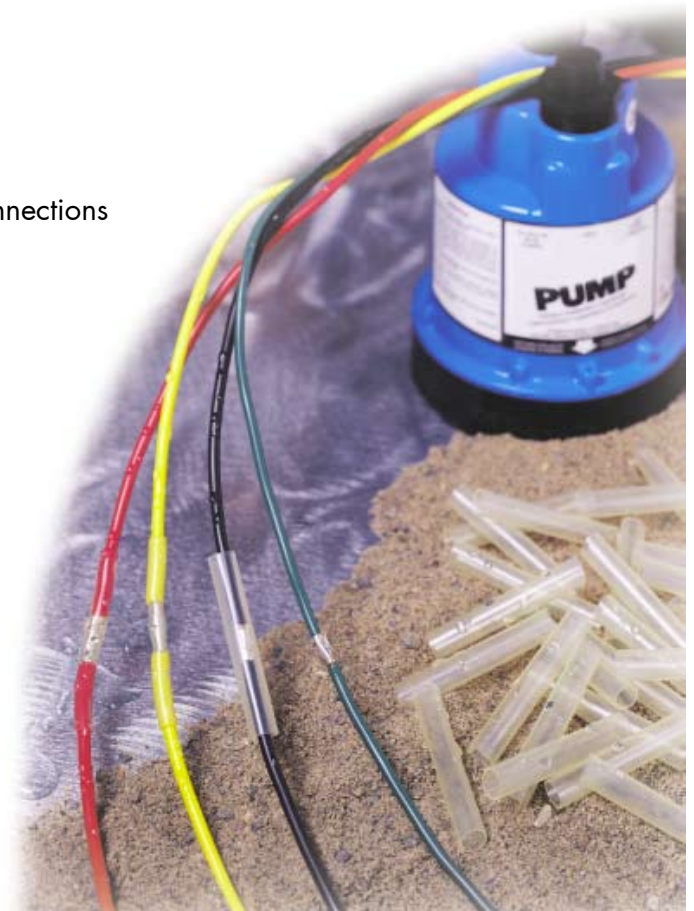
Water clear, adhesive lined, heat shrink tubing specifically designed for water well pump applications. Provides excellent clarity on recovery while insulating and protecting electrical connections

FEATURES AND BENEFITS

- 4:1 shrink ratio
- High shrink ratio allows for a wide range of diameters
- Allows for the examination of substrate wiring
- Adhesive lined for a water tight seal
- Flexible
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

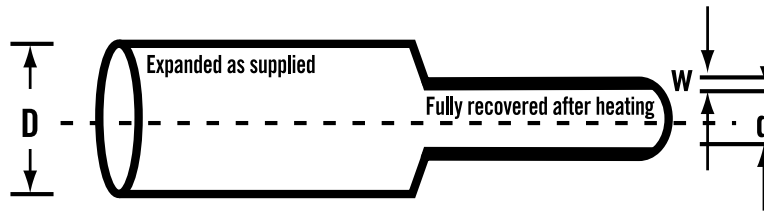
TYPICAL APPLICATIONS

- Environmental protection and insulation of electrical connections
- See-through over protection of labels and printing
- Irrigation and landscape lighting systems



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		TOTAL WALL THICKNESS (NOM.) W			
	MM	IN	MM	IN	MM	IN	MM	IN
0400	10.5	0.413	2.6	0.102	1.1	0.043	76.2	3



ORDERING

- Select options:
 - Colour: Clear (CL)
- Please specify the product name, order number and options you require
- Order Example: CWWT 450, 0400, clear

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

DERAY® HXKT

>2:1
SHRINK RATIO



INSULATE
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THIN WALL ADHESIVE LINED CROSS-LINKED SEMI-RIGID POLYOLEFIN

Semi-rigid, adhesive lined, heat shrink tubing ideal for higher temperature applications and where strain relief or abrasion resistance is required

FEATURES AND BENEFITS

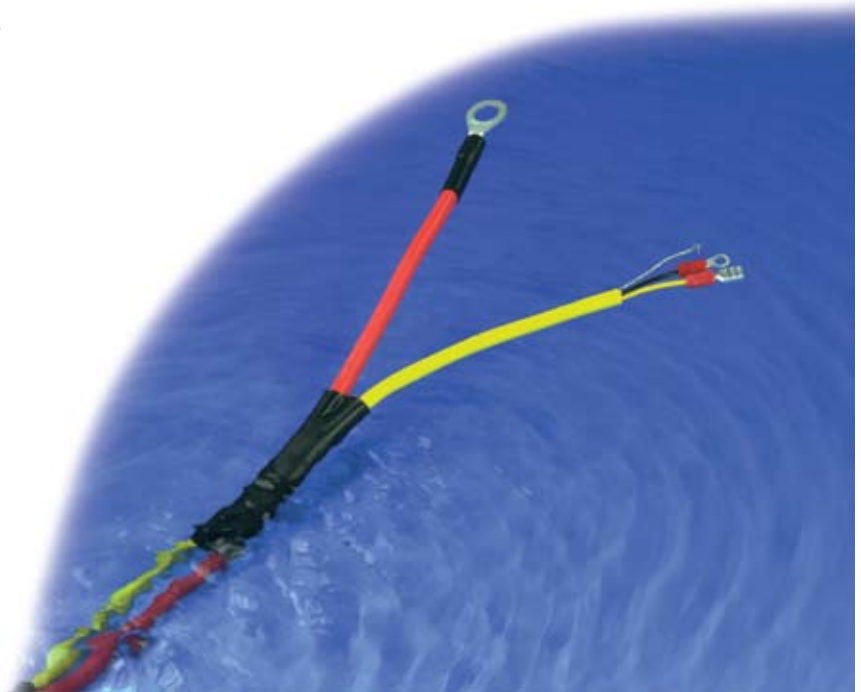
- >2:1 shrink ratio
- Thick adhesive liner ensures complete environmental protection
- Semi-rigid jacket for excellent strain relief
- Seals against water and other contaminants
- Inner adhesive bonds to plastics, rubbers and metals
- Controlled adhesive viscosity prevents excessive flow on terminals
- Continuous operating temperature: -55°C to 125°C
- Shrink temperature: 110°C

STANDARDS

- Industrial and Automotive OEM Approvals

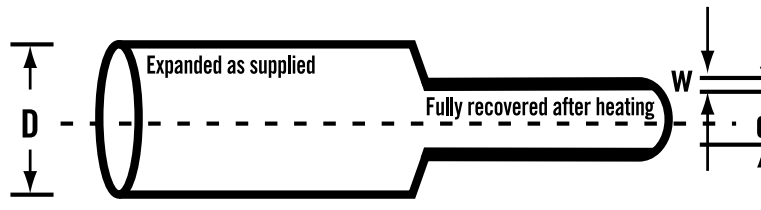
TYPICAL APPLICATIONS

- Strain relief and sealing of terminals
- Corrosion protection of high temperature components and brazed joints
- Mechanical protection of wire leads



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED						LENGTHS	
	INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		TOTAL WALL THICKNESS (NOM.) W		MELTABLE WALL THICKNESS (NOM.)			
	MM	IN	MM	IN	MM	IN	MM	IN	M	FT
0125	3.2	1/8	0.8	0.031	0.90	0.035	0.40	0.016	1.2	4
0187	4.8	3/16	1.5	0.059	1.40	0.055	0.80	0.032	1.2	4
0250	6.4	1/4	2.0	0.079	1.40	0.055	0.75	0.030	1.2	4
0375	9.5	3/8	3.4	0.134	1.65	0.065	1.00	0.039	1.2	4
0500	12.7	1/2	5.0	0.196	1.70	0.066	1.00	0.039	1.2	4
0750	19.0	3/4	8.0	0.315	1.95	0.076	1.20	0.047	1.2	4
1000	25.4	1	10.2	0.401	2.00	0.078	1.20	0.047	1.2	4



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)
 - Printing: Printed or Unprinted
 - Length: Standard stick, spool or custom cut length
- Please specify the product name, order number and options you require
- Order Example: DERAY® HXKT, 0187, black, unprinted, 4 ft (1.2 m) lengths

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

DERAY® IHKT

4:1
SHRINK RATIO



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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

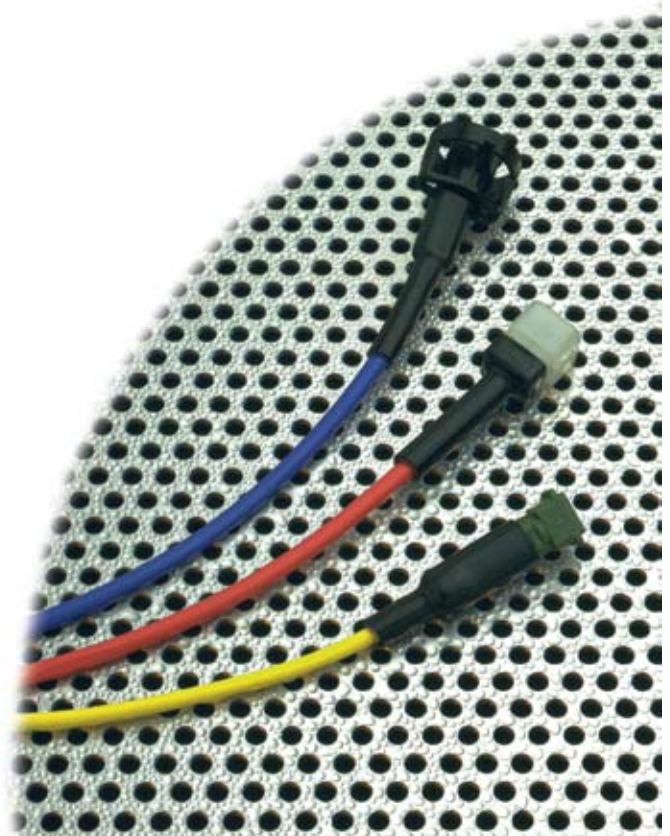
- 4:1 shrink ratio allows for coverage of irregularly shaped connectors and components
- Flame retardant
- Specially designed polyamide adhesive protects components at higher temperatures
- Superior sealing against water and other contaminants
- Inner adhesive bonds to plastics, rubbers and metals
-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

STANDARDS

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

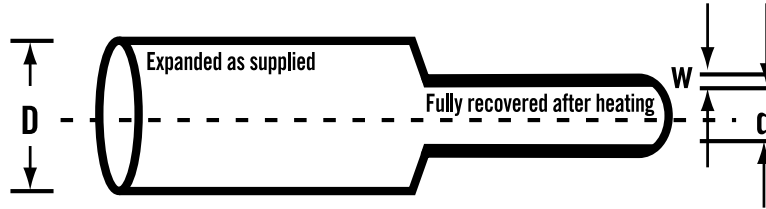
TYPICAL APPLICATIONS

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



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED						LENGTHS	
	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



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.

DERAY[®] MDKT

3:1
SHRINK RATIO



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SEMI-RIGID TRANSLUCENT ADHESIVE LINED TUBING

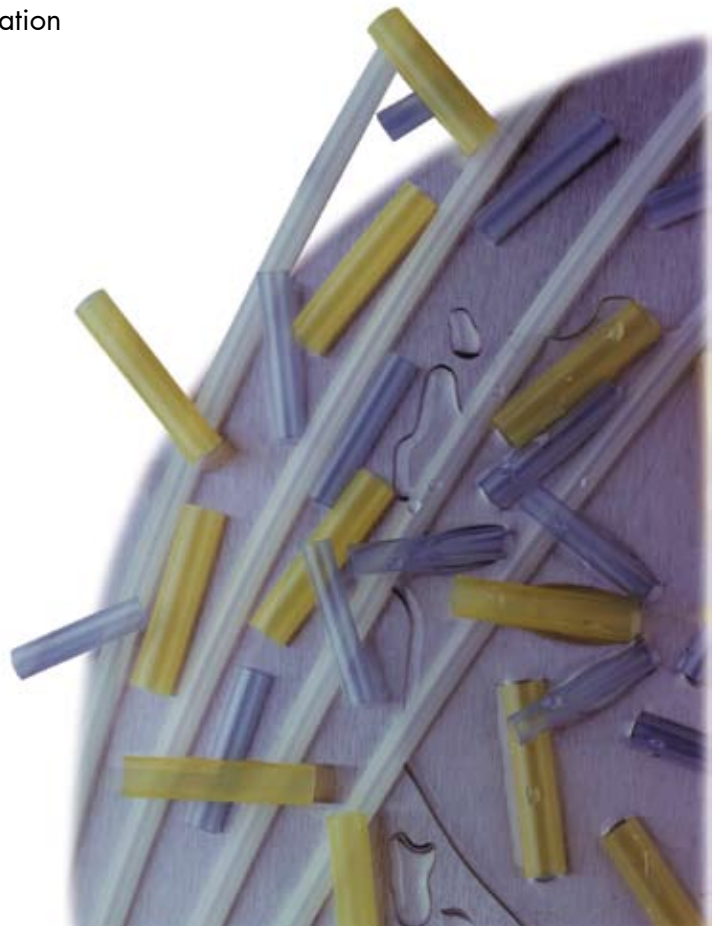
Semi-rigid, translucent, adhesive lined tubing specifically designed for crimp connection assembly applications and where inspection of the wire substrate is essential

FEATURES AND BENEFITS

- 3:1 shrink ratio
- Adhesive liner insulates and protects electrical connections
- Translucent to allow for inspection of the substrate connection
- Semi-rigid backing provides tough abrasion resistance and superior strain relief
- Colour coded for wire gauge identification
- Highly resistant to water, solvent and chemical penetration
- Available in 4 ft sticks or cut pieces
- Continuous operating temperature: -40°C to 110°C
- Shrink temperature: 105°C

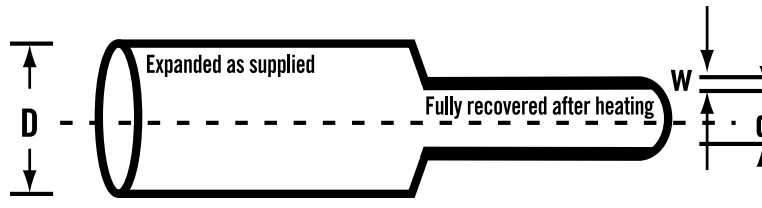
TYPICAL APPLICATIONS

- Repair of wire harnesses
- Protective cover for crimp connections
- Colour code and print used to identify wire gauge



DIMENSIONS

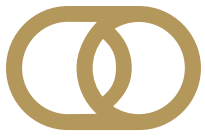
ORDER NUMBER	COLOUR	EXPANDED		RECOVERED				APPLICATION RANGE		LENGTH	
		INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		WALL THICKNESS (NOM.) W					
		MM	IN	MM	IN	MM	IN	AWG	MM	M	FT
0045	Red	4.5	0.177	1.4	0.055	1.1	0.043	22 - 18	0.5 - 1.5	1.22	4
0055	Blue	5.5	0.216	1.8	0.070	1.2	0.047	16 - 14	1.5 - 2.5	1.22	4
0068	Yellow	6.8	0.268	2.2	0.086	1.3	0.051	12 - 10	3.0 - 6.0	1.22	4
0075	Yellow	7.5	0.295	2.2	0.086	1.3	0.051	12 - 10	3.0 - 6.0	1.22	4



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.
- Please specify the product name plus the options you require
- Order Example: DERAY® MDKT, 0177, red, 4 ft lengths

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



DSG-CANUSA

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AMERICAS

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