

DSG-CANUSA

A SHAWCOR COMPANY

INSULATE
SEAL
PROTECT

SPECIALTY NON-POLYOLEFIN PRODUCTS



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SPECIALTY NON-POLYOLEFIN PRODUCTS

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SPECIALTY NON-POLYOLEFIN PRODUCTS

DSG-Canusa provides special materials for demanding industrial and wire harness applications.

These products, made of materials ranging from elastomers to fluoropolymers, offer increased protection against extreme temperatures and harsh operating environments.

CNP 200

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2:1
SHRINK RATIO



THIN WALL NEOPRENE

NEOPRENE HEAT SHRINK TUBING SUITABLE FOR HARNESSING, HYDRAULIC COUPLINGS AND APPLICATIONS REQUIRING EXCEPTIONAL FLEXIBILITY

FEATURES AND BENEFITS

- 2:1 shrink ratio
- Superior cut-through and abrasion resistance
- Very flexible even at low temperatures
- Excellent oil resistance
- Continuous operating temperature: -70°C to 120°C
- Shrink temperature: 135°C

STANDARDS

- MIL-R-46846 Type 1
- Meets SAE-AMS-DTL-23053/1 Class 1 and 2
- AMS 3623

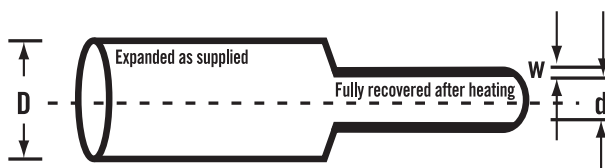
TYPICAL APPLICATIONS

- Insulation, strain relief and abrasion resistance for wire harnesses exposed to fluids and solvents



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W			
	MM	IN	MM	IN	MM	IN	M	FT
0125	3.2	1/8	1.57	0.072	0.760	0.030	60	200
0187	4.8	3/16	2.36	0.106	0.890	0.035	60	200
0250	6.4	1/4	3.18	0.125	0.890	0.035	60	200
0375	9.5	3/8	4.75	0.187	1.020	0.040	30	100
0500	12.7	1/2	6.35	0.250	1.220	0.048	30	100
0750	19.0	3/4	9.53	0.375	1.450	0.057	30	100
1000	25.4	1	12.70	0.500	1.780	0.070	30	100
1500	38.1	1½	19.05	0.750	2.410	0.095	15	50
2000	50.8	2	25.40	1.000	2.790	0.110	15	50
3000	75.2	3	38.10	1.500	3.180	0.125	15	50



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
- Please specify the product name, order reference number and options you require
- Order Example: CNP 200, 0250, black, unprinted, 200 ft lengths

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

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CTFE 250

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2:1
SHRINK RATIO



STANDARD WALL PTFE

PTFE TEFLON® HEAT SHRINK TUBING SPECIALLY DESIGNED FOR INDUSTRIAL, AUTOMOTIVE, MILITARY/
AEROSPACE AND ELECTRICAL APPLICATIONS IN EXTREME ELECTRICAL, CHEMICAL AND THERMAL ENVIRONMENTS

FEATURES AND BENEFITS

- 2:1 shrink ratio
- Exceptional electrical properties
- Chemically inert
- Semi-rigid
- Highly flame retardant
- Designed for continuous use at 250°C
- Thin and Extra Thin Wall options available
- Continuous operating temperature: -67°C to 250°C
- Shrink temperature: 350°C

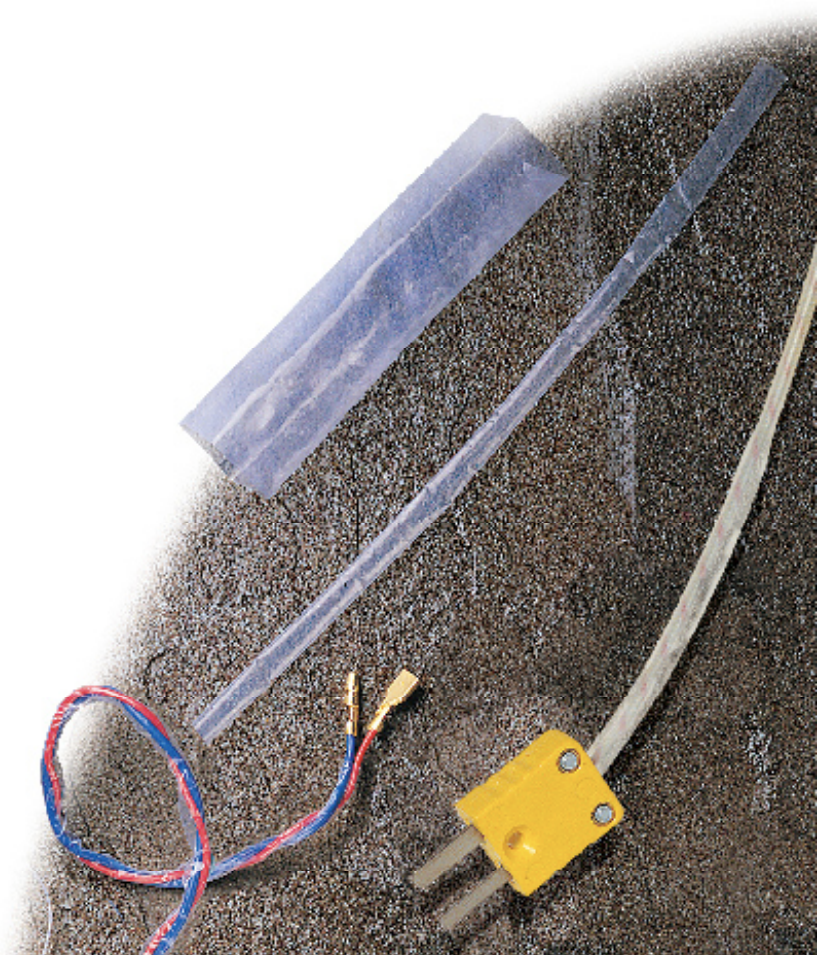
STANDARDS

- Meets SAE-AMS-DTL-23053/12
- AMS 3585 and 3586

TYPICAL APPLICATIONS

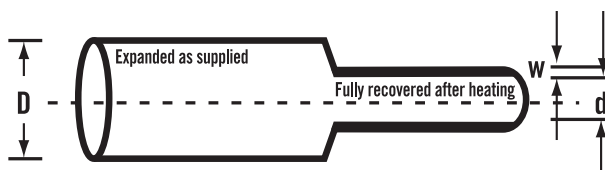
- Mechanical protection of components exposed to high heat and aggressive fluids

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DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W			
	MM	IN	MM	IN	MM	IN	MM	IN
0055	1.40	0.055	0.813	0.032	0.305	0.012	1219	48
0065	1.65	0.065	1.092	0.043	0.406	0.016	1219	48
0110	2.79	0.110	1.702	0.067	0.406	0.016	1219	48
0150	3.81	0.150	2.261	0.089	0.406	0.016	1219	48
0205	5.21	0.205	3.150	0.124	0.508	0.020	1219	48
0270	6.86	0.270	4.013	0.158	0.508	0.020	1219	48
0302	7.67	0.302	4.521	0.178	0.508	0.020	1219	48
0390	9.91	0.390	6.325	0.249	0.508	0.020	1219	48
0470	11.94	0.470	8.814	0.347	0.635	0.025	1219	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: Clear (natural)
 - Wall Thickness: Standard, Thin, Extra Thin
- Please specify the product name, order reference number and options you require
- Order Example: CTFE 250, 0150, clear, standard wall, unprinted, 500 ft lengths

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

CVN 105

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2:1
SHRINK RATIO



THIN WALL PVC

Flexible PVC heat shrink tubing suitable for industrial and electronic applications

FEATURES AND BENEFITS

- 2:1 shrink ratio
- General purpose tubing
- Highly flame retardant
- Seven standard colours
- Flexible
- Continuous operating temperature: -30°C to 105°C
- Shrink temperature: 110°C

STANDARDS

- Meets UL 224 VW-1; CSA C22.2 No. 198.1, OFT

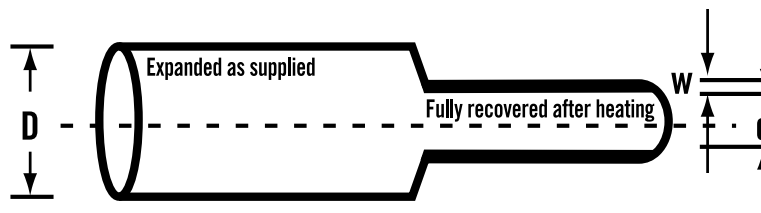
TYPICAL APPLICATIONS

- Protective layer for various substrates
- Harness covering



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN.) D		INTERNAL DIAMETER (MAX.) d		WALL THICKNESS (NOM.) W			
	MM	IN	MM	IN	MM	IN	M	FT
0047	1.2	3/64	0.6	3/128	0.45	0.018	300	1,000
0062	1.6	1/16	0.8	1/32	0.45	0.018	300	1,000
0093	2.4	3/32	1.2	3/64	0.51	0.020	300	1,000
0125	3.2	1/8	1.6	1/16	0.64	0.025	300	1,000
0187	4.8	3/16	2.4	3/32	0.64	0.025	300	1,000
0250	6.4	1/4	3.2	1/8	0.64	0.025	300	1,000
0375	9.5	3/8	4.8	3/16	0.76	0.030	152	500
0500	12.7	1/2	6.4	1/4	0.76	0.030	76	250
0625	16.0	5/8	8.0	5/16	0.76	0.030	76	250
0750	19.0	3/4	9.5	3/8	0.89	0.035	76	250
1000	25.4	1	12.7	1/2	1.02	0.040	76	250
1250	32.0	1 1/4	16.0	5/8	1.02	0.040	76	250
1500	38.1	1 1/2	19.0	3/4	1.14	0.045	30	100
2000	50.8	2	25.4	1	1.27	0.050	30	100
3000	76.2	3	38.1	1 1/2	1.27	0.050	15	50
4000	101.6	4	50.8	2	1.40	0.055	15	50



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), White (WT), Blue (BL), Yellow (YL), Green (GR), Clear (CL)
 - Printing: Printed or Unprinted
- Please specify the product name, order number and options you require
- Order Example: CVN 105, 0125, black, unprinted, 1,000 ft lengths

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

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DERAY® KY 175



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THIN WALL PVDF

Transparent, thin wall PVDF (polyvinylidene fluoride) heat shrink tubing ideal for electronic, automotive and military applications requiring protection and see through inspection in aggressive environments

FEATURES AND BENEFITS

- 2:1 shrink ratio
- Highly flame retardant
- High withstand to abrasion and cut-through
- Excellent chemical and solvent resistance
- Semi-rigid
- Continuous operating temperature: -55°C to 175°C
- Shrink temperature: 175°C

STANDARDS

- DEF STAN 59-97 Issue 3 Type 3a; Meets
SAE- AMS- DTL- 23053/8; AMS 3632; UL 224 VW-1

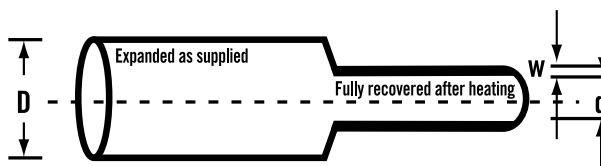
TYPICAL APPLICATIONS

- Strain relief and insulation of high temperature wires
- Protects against aggressive fluids and high temperatures



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS			
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W		CUT		SPOOL	
	MM	IN	MM	IN	MM	IN	M	IN	M	FT
0047	1.2	3/64	0.6	3/128	0.24	0.009	1.2	48	300	984
0062	1.6	1/16	0.8	1/32	0.24	0.009	1.2	48	300	984
0094	2.4	3/32	1.2	3/64	0.24	0.009	1.2	48	300	984
0125	3.2	1/8	1.6	1/16	0.24	0.009	1.2	48	300	984
0187	4.8	3/16	2.4	3/32	0.24	0.009	1.2	48	300	984
0250	6.4	1/4	3.2	1/8	0.30	0.012	1.2	48	300	984
0375	9.5	3/8	4.8	3/16	0.30	0.012	1.2	48	150	492
0500	12.7	1/2	6.4	1/4	0.30	0.012	1.2	48	100	328
0750	19.0	3/4	9.5	3/8	0.40	0.016	1.2	48	50	164
1000	25.4	1	12.7	1/2	0.50	0.020	1.2	48	50	164



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), Clear (natural)
 - Printing: Printed or Unprinted
 - Lengths: Spools or 48 in (1.2 m) cut lengths
- Please specify the product name, order number and options you require
- Order Example: DERAY® KY 175, 0125, black, unprinted, 984 ft lengths

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

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DERAY® KYF 190

2:1
SHRINK RATIO



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THIN WALL MODIFIED CROSS-LINKED FLUOROPOLYMER

Flexible, high temperature PVDF thin wall heat shrink tubing with extreme chemical resistance ideal for protection of components in a wide range of severe temperature and chemical environments

FEATURES AND BENEFITS

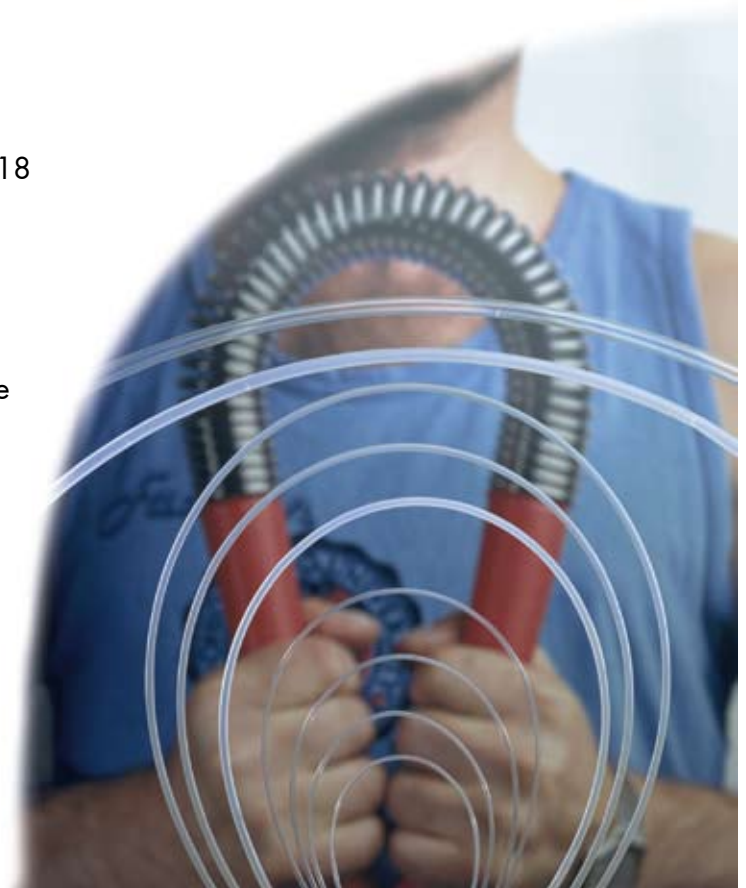
- 2:1 shrink ratio
- Flexible
- Highly flame retardant
- High temperature resistance
- Excellent chemical and solvent resistance
- Continuous operating temperature: -55°C to 190°C
- Shrink temperature: 175°C

STANDARDS

- Approved to UL 224 VW-1; SAE-AMS-DTL-23053/18 Class 2

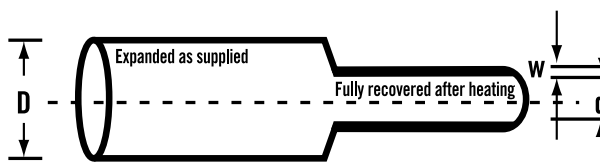
TYPICAL APPLICATIONS

- Protective see through covering for high temperature and aggressive chemical applications



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W			
	MM	IN	MM	IN	MM	IN	M	FT
0047	1.2	3/64	0.6	0.023	0.24	0.009	300	984
063	1.6	1/16	0.8	1/32	0.24	0.009	300	984
0094	2.4	3/32	1.2	3/64	0.24	0.009	300	984
0125	3.2	1/8	1.6	1/16	0.24	0.009	300	984
0187	4.8	3/16	2.4	3/32	0.24	0.009	300	984
0250	6.4	1/4	3.2	1/8	0.30	0.012	300	984
0375	9.5	3/8	4.8	3/16	0.30	0.012	150	492
0500	12.7	1/2	6.4	1/4	0.30	0.012	100	328



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), Clear (natural)
 - Printing: Printed or Unprinted
- Please specify the product name, order number and options you require
- Order Example: DERAY® KYF 190, 0047, black, unprinted, 984 ft lengths

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

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DERAY® V25

2:1
SHRINK RATIO



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DIESEL RESISTANT FLEXIBLE ELASTOMERIC TUBING

Diesel resistant elastomeric heat shrink tubing suited for protecting cables, wire harnesses and brake lines in transportation and military applications where resistance to diesel, oil, hydraulic fluids and other chemicals is critical

FEATURES AND BENEFITS

- 2:1 shrink ratio
- Long term resistance to diesel, hydraulic fluids and chemicals
- Flexible
- Flame retardant
- High abrasion and cut resistance
- Continuous operating temperature: -75°C to 150°C
- Shrink temperature: 130°C

STANDARDS

- Meets SAE-AMS-DTL-23053/16; VG 95343 Part 05
Type D; DEF STAN 59-97 Type 6B

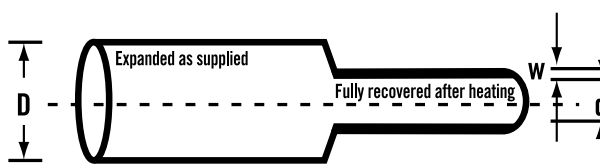
TYPICAL APPLICATIONS

- Protective covering for military cables and harnesses



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W			
	MM	IN	MM	IN	MM	IN	M	FT
0125	3.2	1/8	1.6	1/16	0.80	0.031	300	984
0187	4.8	3/16	2.4	3/32	0.90	0.035	300	984
0250	6.4	1/4	3.2	1/8	1.00	0.039	300	984
0375	9.5	3/8	4.8	3/16	1.10	0.043	150	492
0500	12.7	1/2	6.4	1/4	1.30	0.051	100	328
0750	19.0	3/4	9.5	3/8	1.50	0.059	50	164
1000	25.4	1	12.7	1/2	1.90	0.075	50	164
1500	38.0	1½	19.0	3/4	2.50	0.098	50	164
2000	51.0	2	25.4	1	3.10	0.122	50	164
3000	76.0	3	38.0	1½	3.30	0.130	25	82



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
- Please specify the product name, order number and options you require
- Order Example: DERAY® V25, 0125, black, unprinted 984 ft lengths

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

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DERAY® VT 220

2:1
SHRINK RATIO



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THIN WALL VITON®

Thin wall Viton® fluoroelastomer heat shrink tubing suitable for use in electronic systems and components in automotive, military/aerospace and industrial applications requiring outstanding heat and fluid resistance

FEATURES AND BENEFITS

- 2:1 shrink ratio
- Highly abrasion resistant
- High withstand to corrosive fluids in extreme temperatures
- Flame retardant
- Very flexible
- Easily hot stamped
- Continuous operating temperature: -55°C to 220°C
- Shrink temperature: 175°C

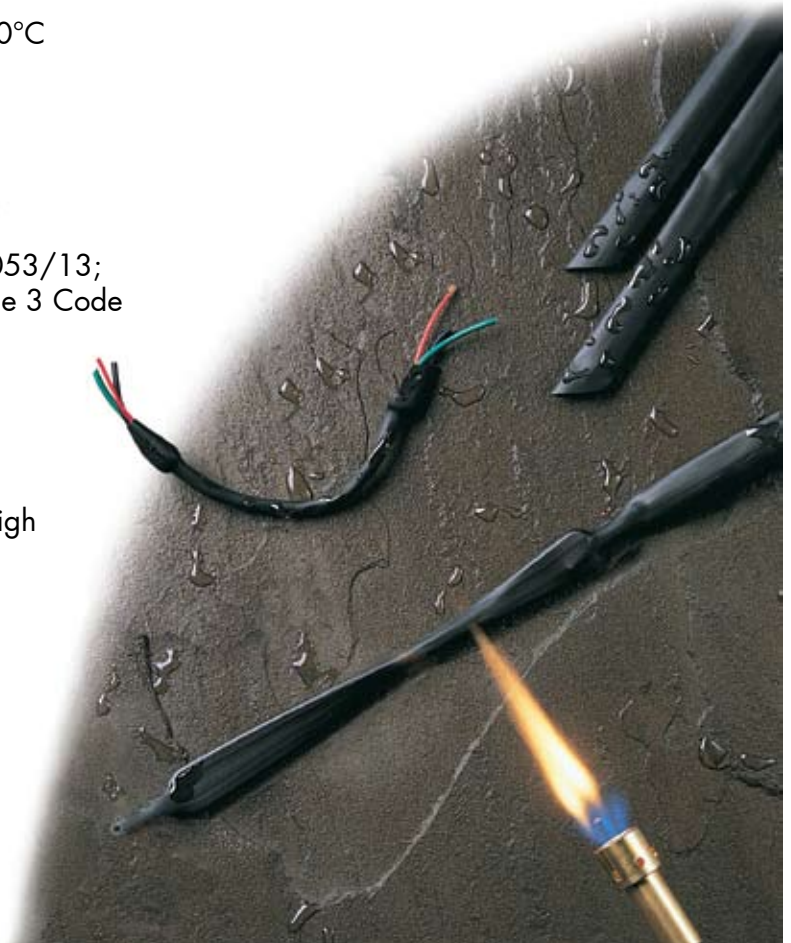
STANDARDS

- MIL-R-46846 Type 3 Class 1; SAE-AMS-DTL-23053/13; G 95343 Part 05 Type E; DEF STAN 59-97 Issue 3 Code 4a; VDE PAN 6480 No. MP421

TYPICAL APPLICATIONS

- Bundling and strain relief of wire harnesses in high temperature applications

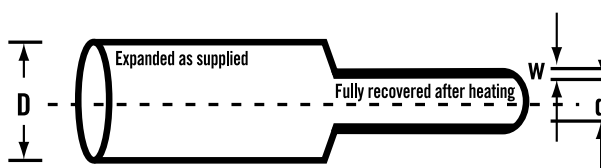
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DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W			
	MM	IN	MM	IN	MM	IN	M	FT
0125	3.2	1/8	1.6	0.062	0.80	0.031	50	164
0187	4.8	3/16	2.4	0.094	0.90	0.035	50	164
0250	6.4	1/4	3.2	0.125	0.90	0.035	50	164
0375	9.5	3/8	4.8	0.188	1.00	0.039	50	164
0500	12.7	1/2	6.4	0.250	1.20*	0.047	30	98
0750	19.0	3/4	9.5	0.375	1.40*	0.055	30	98
1000	25.4	1	12.7	0.500	1.80*	0.071	30	98
1500	38.1	1½	19.0	0.750	2.40*	0.094	15	49
2000	50.8	2	25.4	1.000	2.80*	0.110	15	49

*Meets the material performance of MIL Spec only



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
- Please specify the product name, order number and options you require
- Order Example: DERAY® VT220, 0125, black, unprinted 164 ft lengths

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

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November 2007