



ELECTRICAL  
MECHANICAL  
INSULATION

CSNUSA



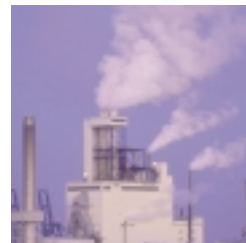
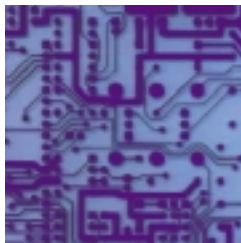
FLAME  
RETARDANT



2:1  
STANDARD  
SHRINK RATIO

Thin Wall  
Kynar®

DERAY KY 175



# DERAY KY 175

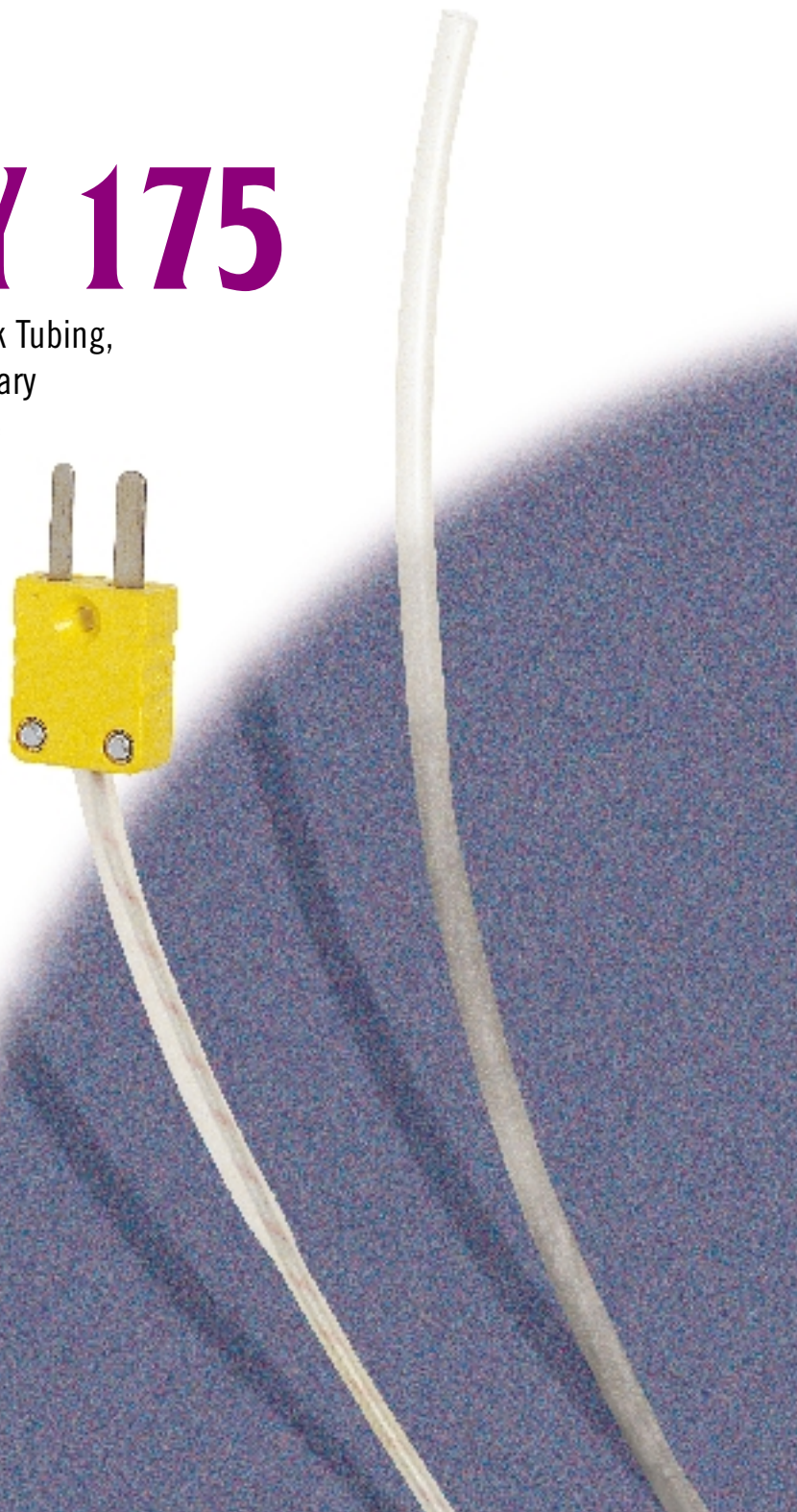
Transparent, thin wall Kynar® Heat Shrink Tubing,  
ideal for electronic, automotive and military  
applications requiring protection and see  
through inspection

## Features

- Highly flame retardant
- High withstand to abrasion and cut-through
- Excellent chemical and solvent resistance
- Semi-rigid
- Meets: DEF STAN 59-97, Issue 3, Type 3a; AMS 3632; MIL-DTL-23053/8; UL 224 VW-1
- Continuous operating temperature: -55°C to 175°C
- Shrink temperature: 175°C

® Kynar is a registered trademark of ELF Atochem

CSN A SHAW INDUSTRIES COMPANY



## Technical Data

### Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671, IEC811-1-1	4800 psi (35 MPa)
Elongation	ASTM D2671, IEC811-1-1	150%
Longitudinal Change	ASTM D2671	+/-10%
2% Secant Modulus	ASTM D2671	108,500 psi (750 MPa)
Specific Gravity	ASTM D792	1.8
Elongation after Heat Aging (168hrs at 200°C)	ASTM D2671, IEC811-1-1	75%
Heat Shock (4hrs at 250°C)	ASTM D2671, IEC811-1-2	No dripping, cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
Flammability	ASTM D2671	Highly Flame Retardant

### Electrical

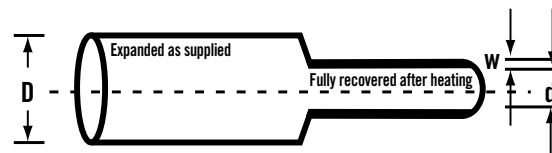
Dielectric Strength	ASTM D2671, VDE 0303	625 V/Mil (25kV/mm)
Volume Resistivity	ASTM D2671, VDE 0303	10 <sup>13</sup> ohm-cm

### Chemical

Fluid Resistance	MIL-DTL-23053/8	Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570, VDE 0472	0.5%
Fungus Resistance	ISO 846	No Growth

## Dimensions

ORDER REF. NO. METRIC	Y Y Y Y	EXPANDED		RECOVERED				STANDARD LENGTHS		STANDARD SPOOL LENGTHS		
		INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		WALL THICKNESS (NOM)						
XXXX	YYYY	mm	D	IN	mm	d	IN	mm	w	IN	AA	BB
0012	0047	1.2	3/64	0.6	3/128	0.24	0.009	1.2	48	400	1312	
0016	0062	1.6	1/16	0.8	1/32	0.24	0.009	1.2	48	400	1312	
0024	0094	2.4	3/32	1.2	3/64	0.24	0.009	1.2	48	400	1312	
0032	0125	3.2	1/8	1.6	1/16	0.24	0.009	1.2	48	400	1312	
0048	0187	4.8	3/16	2.4	3/32	0.24	0.009	1.2	48	300	984	
0064	0250	6.4	1/4	3.2	1/8	0.30	0.012	1.2	48	300	984	
0095	0375	9.5	3/8	4.8	3/16	0.30	0.012	1.2	48	150	492	
0127	0500	12.7	1/2	6.4	1/4	0.30	0.012	1.2	48	100	328	
0190	0750	19.0	3/4	9.5	3/8	0.40	0.016	1.2	48	50	164	
0254	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.

### To Order in Metric Units:

DERAY KY 175 - XXXX - CC - OO - AA - M

Order Ref. No. Options Color Standard Length

### To Order in Imperial Units:

DERAY KY 175 - YYYY - CC - OO - BB - I

Order Ref. No. Options Color Standard Length

### Standard Colors (CC)

Order Code	Color
CR	CLEAR (natural)
BK	BLACK

\* For additional colors please see price list.

### Options (OO)

Unprinted	00
Printed	01

Lengths: 48" (1.2 m) lengths

Standards: MIL-DTL-23053/8A, AMS 3623C UL 224 VWI, CSA C22.2 OFT, DEF STAN 59/97 Issue 3 Code 3, VG95343 Part 05, Type F VDE PAN 6491, No MP 422

Note: Non-standard colors, sizes and lengths available subject to factory quotation.

REV 2

## CANUSA

### There's no end to what we cover

CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

#### EUROPE

CANUSA SYSTEMS LIMITED

Bergstrand House

Broadley Industrial Park

Roborough, Plymouth, U.K. PL6 7EZ

Tel: 44 (0) 1752-209880

Fax: 44 (0) 1752-209850

#### U.S.A.

CANUSA - EMI

P.O. Box 498830

Cincinnati, Ohio 45249

Tel: 1-800-422-6872

Tel: (513) 683-7800

Fax: (513) 683-7809

#### CANADA/INTERNATIONAL

CANUSA - EMI

25 Bethridge Road

Toronto, Ontario M9W 1M7

Tel: 1-800-845-6808

Tel: (416) 743-7111

Fax: (416) 743-7199

WORLDWIDE WEB: [www.canusa-emi.com](http://www.canusa-emi.com)

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