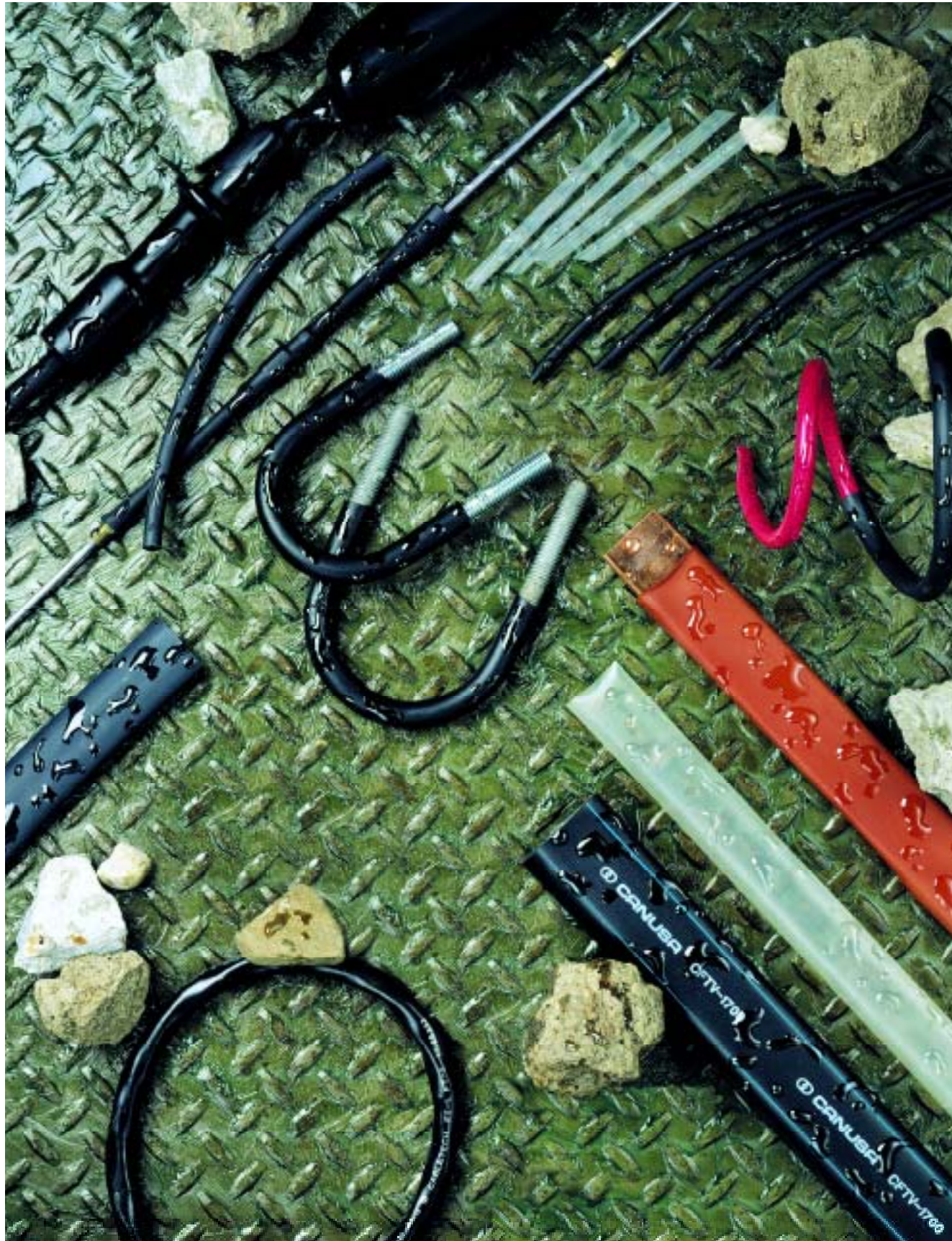


Non Polyolefin

PRODUCT NAME	SHRINK RATIO	DESCRIPTION	OPERATING TEMPERATURE		TYPICAL APPLICATIONS
			MAX °C	MIN	
→ CHT	2:1	Thin Wall Rigid PVC	85	-20	Covering & insulation of capacitors, resistors and NC-batteries, decorative purposes
→ CVN7	2:1	Thin Wall Flexible PVC	105	-30	Insulation of busbars, connectors, terminals, protection against mechanical stress and corrosion
→ DERAY®-KY175	2:1	Modified semi rigid PVDF	175	-55	Excellently suitable for applications where very high chemical and abrasion resistance are needed
→ DERAY®-KYF190	2:1	Modified flexible PVDF	190	-55	High flexible and abrasion resistance requiring applications. Very well applicable for chemical resistance or high operating temperature requirements
→ DERAY®-V25	2:1	Modified very flexible Elastomer	150	-75	Developed for rugged demands with view to high fuel, chemical and insulation requirements
→ DERAY®-V25 TW	2:1	Modified very flexible thin walled Elastomer	150	-75	Mechanical, chemical, temperature protection of sensitive components in combination with extreme flexibility
→ DERAY®-VT220	2:1	Flexible Viton®	220	-55	Designed for applications where highest temperature resistance is required
→ DERAY®-PTFE 4:1	4:1	Semi rigid Teflon®	260	-65	Extremely suitable for insulating and protecting objects from thermal load and chemical influence
→ DERAY®-PTFE AWG	2:1	Semi rigid Teflon®	260	-65	Fits to the same kinds applications as PTFE 4:1, but the diameters are related to the AWG

→ Heat Shrink Tubing Products



Non Polyolefin

DSG-Canusa provides special materials for demanding applications.

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

They include diesel resistant products like Deray®-V25 and high temperature products like Deray®-VT220.

→ **Product Selection Chart**

CHT

Ultra thin wall, rigid heat shrink tubing

Features

- Low Shrink temperature
- Wide colour variety
- Continuous Operating Temperature: -20°C to 85°C
- Shrink Temperature: 100°C



Dimensions

SIZES LAY-FLAT-WIDTH		SIZES WALL THICKNESS							LENGTH PER REEL						
mm		mm							mtr						
from	to	0,07	0,10	0,13	0,15	0,18	0,20	0,30	0,07	0,10	0,13	0,15	0,18	0,20	0,30
8,5	10,0	x	x						300	200	-	-	-	-	-
10,5	13,5	x	x						400	300	-	-	-	-	-
14,0	16,5	x	x	x	x				400	300	200	200	-	-	-
17,0	19,5	x	x	x	x	x			400	300	200	200	100	-	-
20,0	24,5	x	x	x	x	x			400	300	200	200	100	-	-
25,0	29,5	x	x	x	x	x	x		400	300	200	200	100	100	-
30,0	34,5	x	x	x	x	x	x		400	300	200	200	100	100	-
35,0	39,5	x	x	x	x	x	x		400	300	200	200	100	100	-
40,0	99,5	x	x	x	x	x	x	x	400	300	200	200	100	100	100
100,0	109,5	x	x	x	x	x	x	x	300	200	200	200	100	100	100
110,0	250,0	x	x	x	x	x	x	x	300	200	200	200	100	100	100

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	21,0 MPa
Elongation	IEC 60684-2	70-120%
Longitudinal Change	ASTM-D 2671	-20% max.
Specific Gravity	ASTM-D 792, A-1	1,45 g/cm ³ max.
Flammability	UL 224	flame retardant

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	20 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁴ Ω x cm
Dielectric Constant		3,35

Chemical

Property	Test Method	Typical Performance coloured
Chemical Resistance		good
Water Absorption	VDE 0472	0,70%

Standard Colours							Special Colours
black	clear	red	yellow	blue	white	green	On Request

Printability	Hot stamp	Ink jet	Offset
	-	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: CHT 130,0 mm x 0,13 mm blue, 5.000 mtr, 200 mtr. Spool, unprinted

→ Product Selection Chart

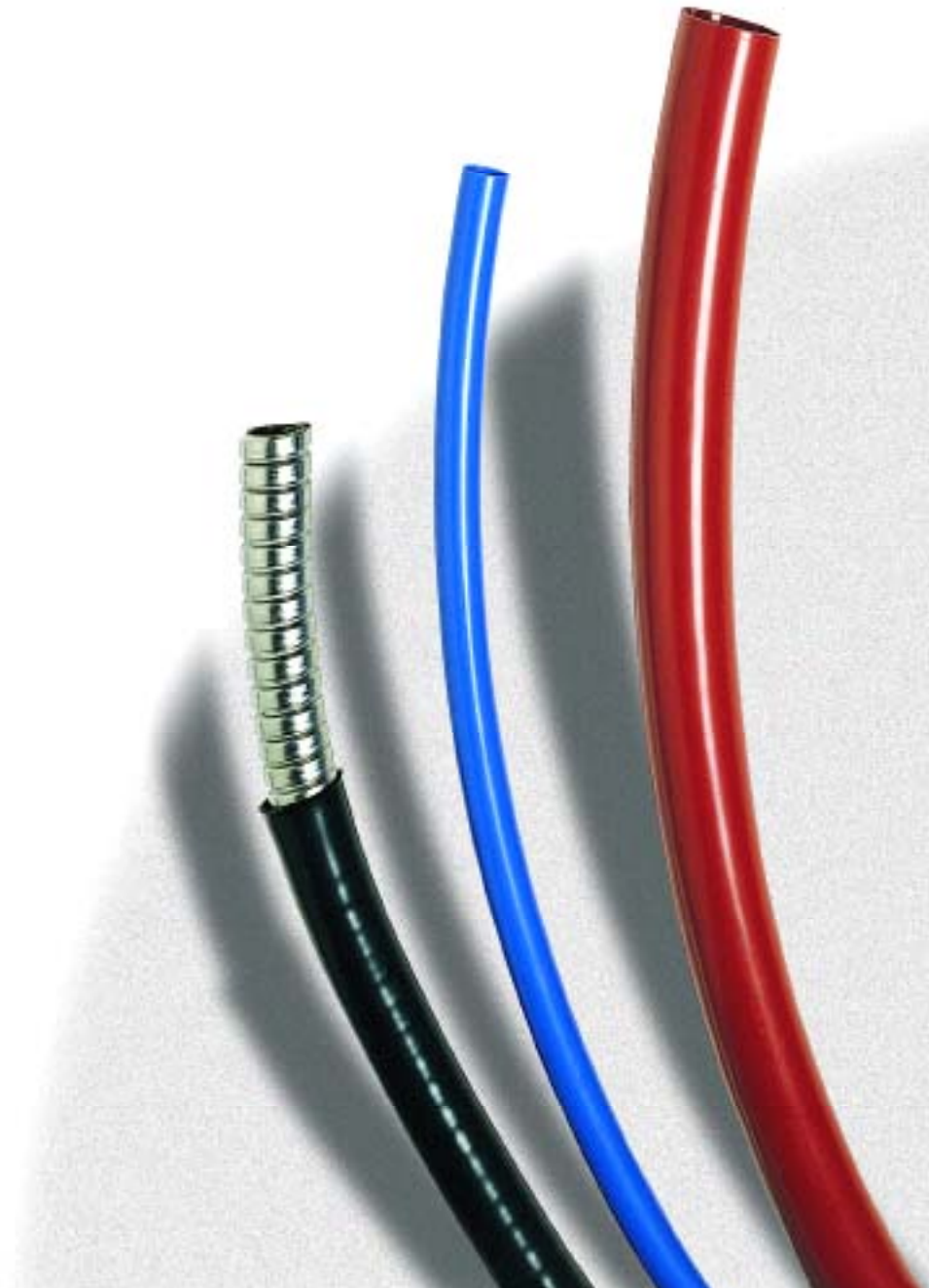
CVN 7

Thin wall flexible PVC
heat shrink tubing



Features

- Flexible
- Meets UL-224 VW-1 & CSA OFT
- Continuous Operating Temperature: -30°C to 105°C
- Shrink Temperature: 100°C



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS		
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black & Coloured Spoollength	Style*	Lengths 1.22 m
mm	IN	mm	mm	m		pcs.
2,4	3/32	1,2	0,51	300	o	-
3,2	1/8	1,6	0,51	300	o	-
4,8	3/16	2,4	0,51	300	o	-
6,4	1/4	3,2	0,64	300	o	-
9,5	3/8	4,8	0,64	150	o	-
12,7	1/2	6,4	0,64	100	o	-
16,0	5/8	8,0	0,64	100	-	-
19,0	3/4	9,5	0,83	50	-	-
25,4	1	12,7	0,89	50	-	-
31,8	1 1/4	15,9	0,89	50	-	-
38,0	1 1/2	19,0	1,02	50	-	-
50,8	2	25,4	1,14	50	-	-
64,0	2 1/2	38,1	1,17	25	-	-
76,0	3	38,1	1,27	25	-	-
101,6	4	50,8	1,40	25	-	-

* o = airfilled or oval - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ISO 37	23 MPa
Elongation	ISO 37	300%
Longitudinal Change	ASTM-D 2671	+5% to -10%
Specific Gravity	ISO / R 1183	1,3 g/cm ³ max.
Elongation after Heat Aging (168 hrs at 136°C)	ASTM-D 2671	250%
Heat Shock (4hrs. at 180°)	UL 224	no dripping, flowing, or cracking
Low Temperature Flexibility	UL 224	does not break at -30°C
Flammability	UL 224	passed (VW-1 rated to UL 224)
Deformation	UL 224	35% max.
Restricted Recovery	UL 224	passed

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	IEC 243	20 kV/mm

Chemical

Property	Test Method	Typical Performance
Chemical Resistance	ISO 1817, ISO 37, MIL-1-23053	good
Water Absorption	ASTM-D 570	0,50%

Standard Colours	Special Colours						
black	red	yellow	blue	white	clear	green	brown

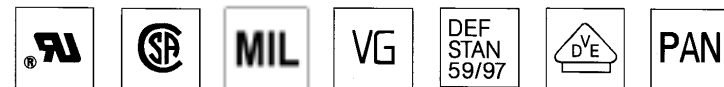
Printability	Hot stamp	Ink jet	Offset
	-	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: CVN 7 black 1/2", 1.500 mtr., 100m-spool, unprinted

→Product Selection Chart

DERAY®-KY 175

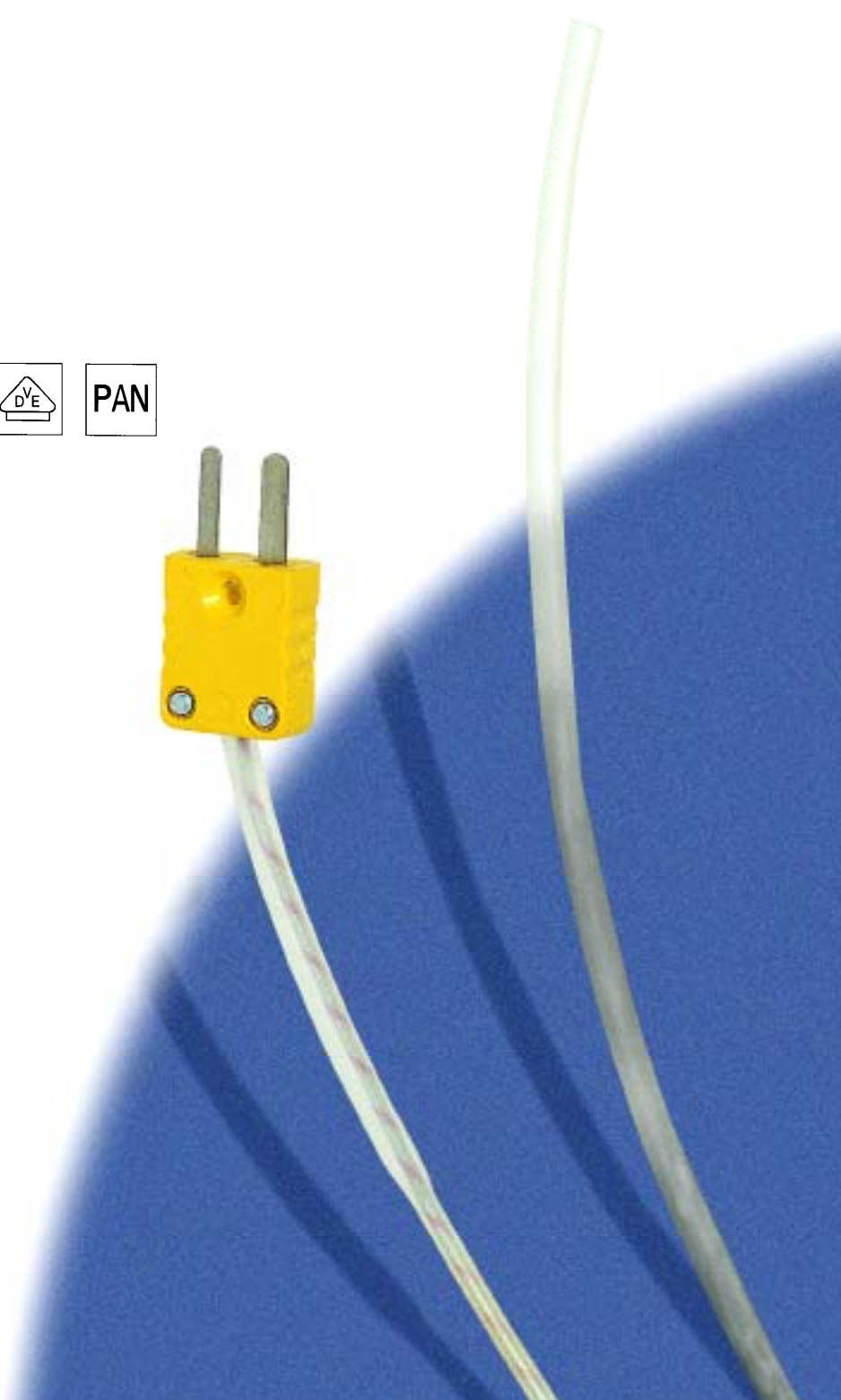
Semi-rigid thin wall Kynar®* heat shrink tubing, ideal for electronic, automotive and military applications requiring protection and see through inspection



Features

- Highly flame retardant, UL-224 VW-1 & CSA OFT
- High withstand to abrasion and cut-through
- Excellent chemical and solvent resistance
- Meets MIL - DTL - 23053/8
- Continuous Operating Temperature: -55°C to 175°C
- Shrink Temperature: 175°C

* Kynar® is a registered trademark of ATOFINA



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS				
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Clear		Clear		Lengths 1.22 m
mm	IN	mm	mm	Spool Length	Style*	Spool Length	Style*	
1,2	3/64	0,6	0,24	300	o	150	o	30,5 m
1,6	1/16	0,8	0,24	300	o	150	o	30,5 m
2,4	3/32	1,2	0,24	300	o	150	o	30,5 m
3,2	1/8	1,6	0,24	300	o	150	o	30,5 m
4,8	3/16	2,4	0,24	300	o	75	o	30,5 m
6,4	1/4	3,2	0,30	300	o	75	o	12,2 m
9,5	3/8	4,8	0,30	150	-	75	-	12,2 m
12,7	1/2	6,4	0,30	100	-	50	-	12,2 m
19,0	3/4	9,5	0,40	50	-	30	-	12,2 m
25,4	1	12,7	0,50	50	-	30	-	12,2 m

* o = airfilled or oval - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	50 MPa
Elongation	IEC 60684-2	450%
Longitudinal Change	ASTM-D 2671	6% max.
Secant Modulus	ASTM-D 882	750 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,8 g/cm ³
Elongation after Heat Aging (168 hrs at 200°C)	IEC 811-1-2	230%
Tensile Strength after Heat Aging (168 hrs at 200°C)	IEC 811-1-2	40 MPa
Elongation after Heat Shock (4 hrs at 250°C)	IEC 811-1-2	300%
Tensile Strength after Heat Shock (4 hrs at 250°C)	IEC 811-1-2	48 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Flammability	UL 224 VW-1	flame retardant

Standard Colours	Special Colours
clear	black

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	31,5 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹³ Ω x cm

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	STM-D 2671 Meth. B	non-corrosive
Chemical Resistance		very good
Water Absorption	VDE 0472	0,07%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: DERAY®-KY 175 1/8" clear, 2.100 mtr., 300m-spool, unprinted

→ **Product Selection Chart**

DERAY®-KYF 190

Flexible thin wall Kynar®* heat shrink tubing, with extreme chemical resistance, ideal for protecting components in a wide range of harsh conditions



Features

- Highly flame retardant, UL-224 VW-1
- High temperature resistance
- Continuous Operating Temperature: -55°C to 190°C
- Shrink Temperature: 175°C

* Kynar® is a registered trademark of ATOFINA



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS		
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Clear Spool Length	Style*	Lengths 1.22 m
mm	IN	mm	mm	m		
1,2	3/64	0,6	0,24	300	o	30,5 m
1,6	1/16	0,8	0,24	300	o	30,5 m
2,4	3/32	1,2	0,24	300	o	30,5 m
3,2	1/8	1,6	0,24	300	o	30,5 m
4,8	3/16	2,4	0,24	300	o	30,5 m
6,4	1/4	3,2	0,30	300	o	12,2 m
9,5	3/8	4,8	0,30	150	–	12,2 m
12,7	1/2	6,4	0,30	100	–	12,2 m

* o = airfilled or oval – = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	30 MPa
Elongation	IEC 60684-2	450%
Longitudinal Change	ASTM-D 2671	6% max.
Secant Modulus	ASTM-D 882	300 MPa max.
Specific Gravity	ASTM-D 792, A-1	1,8 g/cm ³
Elongation after Heat Aging (168 hrs at 215°C)	IEC 811-1-2	300%
Tensile Strength after Heat Aging (168 hrs at 215°C)	IEC 811-1-2	20 MPa
Elongation after Heat Shock (4 hrs at 275°C)	IEC 811-1-2	250%
Tensile Strength after Heat Shock (4 hrs at 275°C)	IEC 811-1-2	20 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Flammability	UL 224 VW-1	flame retardant

Standard Colours	Special Colours
clear	black (other colours on request)

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	33 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹³ Ω x cm

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		very good
Water Absorption	VDE 0472	0,30%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: DERAY®-KYF 190 1/8" clear, 2.100 mtr., 300m-spool, unprinted

→Product Selection Chart

DERAY®-V 25

Diesel resistant elastomeric heat shrink tubing, suited for protecting components in air and space travel as well as for military applications



Features

- Flexible
- Flame retardant
- High abrasion and cut resistance
- Long term resistance to diesel, hydraulic fluids and chemicals
- Meets MIL - DTL - 23053/16
- Continuous Operating Temperature: -75°C to 150°C
- Shrink Temperature: 180°C



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS				
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black		Black		Lengths 1.22 m
mm	IN	mm	mm	Spool Length	Style*	Spool Length	Style*	
				m		m		
3,2	1/8	1,6	0,80	300	o	50	o	-
4,8	3/16	2,4	0,90	300	o	50	o	-
6,4	1/4	3,2	1,00	300	o	50	o	-
9,5	3/8	4,8	1,10	150	o	50	o	-
12,7	1/2	6,4	1,30	100	o	30	o	-
19,0	3/4	9,5	1,50	50	-	30	-	-
25,4	1	12,7	1,90	50	-	30	-	-
38,0	1 1/2	19,0	2,50	50	-	15	-	-
51,0	2	25,4	3,10	50	-	-	-	-
76,0	3	38,0	3,30	25	-	-	-	-

* o = airfilled or oval - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	20 MPa
Elongation	IEC 60684-2	520%
Longitudinal Change	ASTM-D 2671	± 10% max.
Secant Modulus	ASTM-D 882	30 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,5 g/cm ³
Elongation after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	220%
Tensile Strength after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	13 MPa
Heat Shock (4 hrs at 215°C)	IEC 811-1-2	passed
Tensile Strength after Heat Shock (4 hrs at 215°C)	IEC 811-1-2	12 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -75°C
Flammability	UL 224	flame retardant

Standard Colours	Special Colours
black	On Request

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	22 kV/mm*
Volume Resistivity	VDE 0303 Part 3	10 ¹² Ω x cm

*thickness dependent, min. 12 kV/mm.

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		good
Water Absorption	VDE 0472	1,10%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: DERAY®-V 25 1/2" black, 900 mtr., 30m-spool, printed

→Product Selection Chart

DERAY®-V 25 TW

Very flexible, thin wall, diesel resistant, elastomeric heat shrink tubing, especially suited for mechanical, thermal and chemical protection of sensitive components



Features

- Very flexible
- Flame retardant
- Long term resistance to diesel, hydraulic fluids and chemicals
- Continuous Operating Temperature: -75°C to 150°C
- Shrink Temperature: 170°C



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS				
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black		Black		Lengths 1.22 m
mm	IN	mm	mm	Spool Length	Style*	Spool Length	Style*	
2,4	3/32	1,2	0,55	300	o	50	o	-
3,2	1/8	1,6	0,55	300	o	50	o	-
4,8	3/16	2,4	0,55	300	o	50	o	-
6,4	1/4	3,2	0,65	300	o	50	o	-
9,5	3/8	4,8	0,65	150	o	50	o	-
12,7	1/2	6,4	0,65	100	o	30	o	-
19,0	3/4	9,5	0,85	50	-	30	-	-
25,4	1	12,7	0,95	50	-	30	-	-
31,8	1 1/4	15,9	1,05	50	-	30	-	-
38,0	1 1/2	19,0	1,05	50	-	15	-	-

* o = airfilled or oval - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	20 MPa
Elongation	IEC 60684-2	520%
Longitudinal Change	ASTM-D 2671	10% max.
Secant Modulus	ASTM-D 882	30 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,5 g/cm ³
Elongation after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	220%
Tensile Strength after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	13 MPa
Heat Shock (4 hrs at 215°C)	IEC 811-1-2	passed
Tensile Strength after Heat Shock (4 hrs at 215°C)	IEC 811-1-2	12 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -75°C
Flammability	UL 224	flame retardant

Standard Colours	Special Colours
black ■	On Request

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	22 kV/mm*
Volume Resistivity	VDE 0303 Part 3	10 ¹² Ω x cm

*thickness dependent, min. 12 kV/mm.

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		good
Water Absorption	VDE 0472	1,10%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: DERAY®-V 25 TW 1/2" black, 2.100 mtr., 30m-spool, printed

→Product Selection Chart

DERAY®-VT 220

Thin wall Viton®* fluoroelastomer heat shrink tubing, ideal for protecting electronic components in high temperature systems



Features

- Very flexible
- Flame retardant
- Highly abrasion resistant
- High withstand to corrosive fluids in extreme temperatures
- Meets MIL - DTL - 23053/13
- Continuous Operating Temperature: -55°C to 220°C
- Shrink Temperature: 175°C

* Viton® is a registered trademark of du Pont de Nemours and Co. Inc. for the raw material



Dimensions

EXPANDED		RECOVERED		DELIVERY UNITS		
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Black Spool Length	Style*	Lengths 1.22 m
mm	IN	mm	mm		m	
3,2	1/8	1,6	0,80	50	o	-
4,8	3/16	2,4	0,90	50	o	-
6,4	1/4	3,2	0,90	50	o	-
9,5	3/8	4,8	1,00	50	o	-
12,7	1/2	6,4	1,20	30	o	-
19,0	3/4	9,5	1,40	30	-	-
25,4	1	12,7	1,80	30	-	-
38,0	1 1/2	19,0	2,40	15	-	-
50,8	2	25,4	2,80	15	-	-

* o = airfilled or oval - = flattened

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 60684-2	18 MPa
Elongation	IEC 60684-2	520%
Longitudinal Change	ASTM-D 2671	10% max.
Secant Modulus	ASTM-D 882	70 MPa max.
Specific Gravity	ASTM-D 792, A-1	1,9 g/cm ³
Elongation after Heat Aging (168 hrs at 250°C)	IEC 811-1-2	220%
Tensile Strength after Heat Aging (168 hrs at 250°C)	IEC 811-1-2	14 MPa
Elongation after Heat Shock (4 hrs at 300°C)	IEC 811-1-2	250%
Tensile Strength after Heat Shock (4 hrs at 300°C)	IEC 811-1-2	17 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Flammability	ASTM-D 2671 Proc. A	passed

Standard Colours	Special Colours
black ■	On Request

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	16 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹³ Ω x cm

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		very good
Water Absorption	VDE 0472	0,20%

Printability	Hot stamp	Ink jet	Offset
	very good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: DERAY®-VT 220 3/16" black, 1.000 mtr., 50m-spool, printed

→ **Product Selection Chart**

DERAY®-PTFE

PTFE Teflon®* heat shrink tubing specially designed for protecting applications in extreme electrical, chemical and thermal environments

Features

- Semi rigid
- Highly flame retardant
- Chemically inert
- Continuous Operating Temperature: -65°C to 260°C
- Shrink Temperature: 350°C

* Teflon® is a registered trademark of du Pont de Nemours and Co. Inc. for the raw material



Dimensions

PTFE 4:1				
EXPANDED		RECOVERED		DELIVERY UNITS
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Lengths 1.22 m
mm	IN	mm	mm	
1,98	5/64	0,64	0,23	30,50 m
2,36	3/32	0,80	0,25	30,50 m
3,18	1/8	0,94	0,25	30,50 m
4,76	3/16	1,27	0,30	30,50 m
6,35	1/4	1,60	0,30	12,20 m
9,52	3/8	2,44	0,30	12,20 m
12,70	1/2	3,66	0,38	12,20 m
15,88	5/8	4,52	0,38	12,20 m
19,05	3/4	5,70	0,38	12,20 m
25,40	1	7,06	0,38	12,20 m
31,75	1 1/4	8,82	0,38	12,20 m

PTFE AWG 2:1				
EXPANDED		RECOVERED		DELIVERY UNITS
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	Lengths 1.22 m
AWG	mm	mm	mm	
30	0,86	0,38	0,23	30,50 m
28	0,97	0,46	0,23	30,50 m
26	1,17	0,56	0,23	30,50 m
24	1,27	0,64	0,25	30,50 m
22	1,4	0,80	0,25	30,50 m
20	1,52	0,97	0,30	30,50 m
18	1,93	1,17	0,30	30,50 m
16	2,36	1,45	0,30	30,50 m
14	3,05	1,82	0,30	30,50 m
12	3,81	2,26	0,30	30,50 m
10	4,85	2,80	0,30	30,50 m
8	6,1	3,55	0,38	12,20 m
6	7,67	4,40	0,38	12,20 m
4	9,4	5,45	0,38	12,20 m
2	10,92	6,90	0,38	12,20 m
0	11,94	8,56	0,38	12,20 m

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	IEC 811-1-1	19 MPa
Elongation	IEC 811-1-1	200%
Longitudinal Change	ASTM-D 2671	± 15% max.
Secant Modulus	ASTM-D 882	750 MPa max.
Specific Gravity	ASTM-D 792, A-1	2,1 g/cm ³
Thermal Ageing (168 hrs at 300°C)	IEC 811-1-2	no dropping, flowing or cracking
Thermal Shock (4 hrs at 400°C)	IEC 811-1-2	no dropping, flowing or cracking
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -65°C
Flammability		non combustible

Standard Colours	Special Colours
clear	black

Electrical

Property	Test Method	Typical Performance coloured
Dielectric Strength	VDE 0303 Part 2	26 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁹ Ω x cm

Chemical

Property	Test Method	Typical Performance coloured
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		very good
Water Absorption	VDE 0472	0,07%

Printability	Hot stamp	Ink jet	Offset
-	-	-	-

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit
For example: DERAY®-PTFE 4:1 3/32" clear, 122,0 mtr., 1,22 m-length