

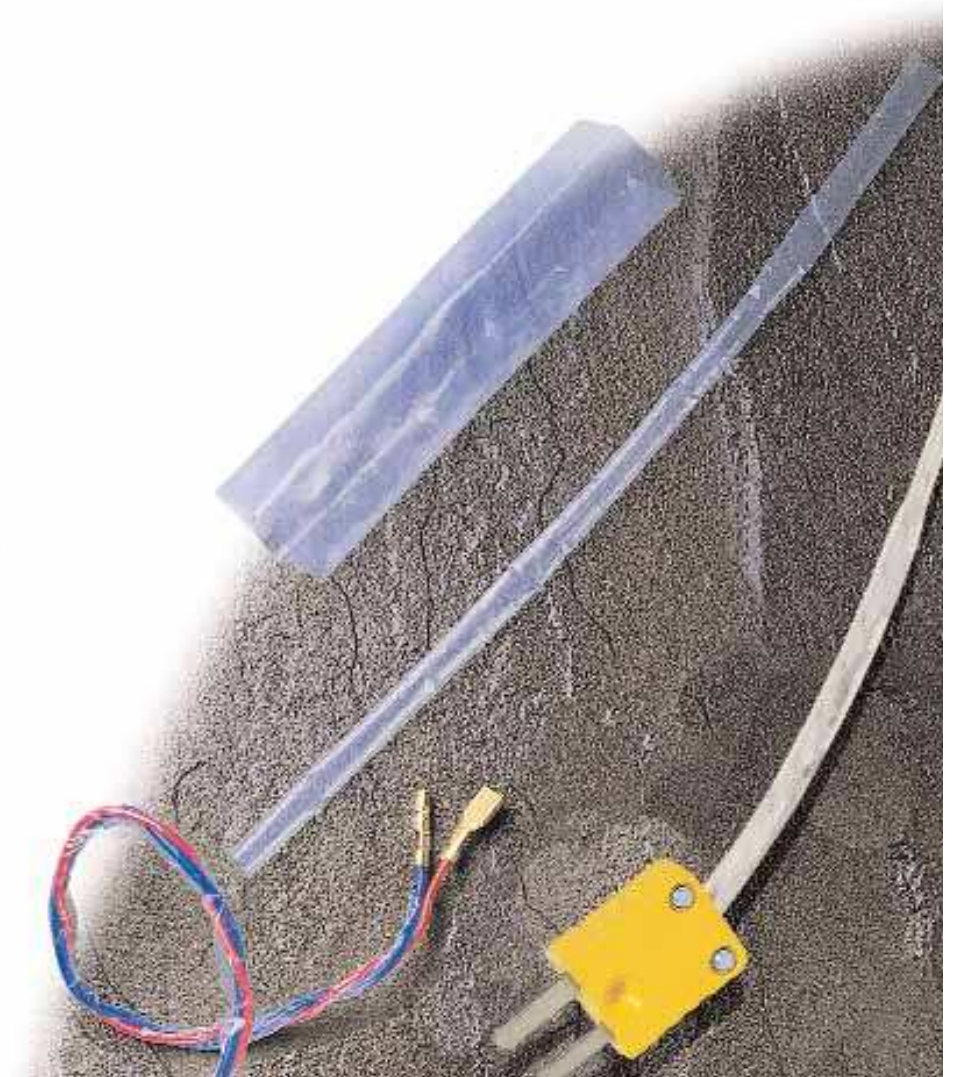
DERAY®-PTFE

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-I	2,1 g/cm ³
Thermal Aging (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

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%

Standard Colours	Special Colours
clear 	black 

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