

DERAY®-MTR

Thin wall crosslinked polyolefin
Flattened and flexible heat shrinkable
identification sleeve with high shrink ratio
and a smooth surface finish.



Features and Benefits

- Excellent print quality
- Ready to use for thermal transfer printers*
- Resistant to common fluids and solvents
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 135°C
- Shrink Temperature: 90°C min.

Standards

- Meets the material requirements of QPL SAE AS23053/5 Class 1
- Meets the material requirements of DEF STAN 59-97 Type 2b
- Meets the material requirements of VG 95343-5
- SAE AS81531 4.6.2 & MIL-STD-202F Method 215J*

Typical Applications

- Cable and wire identification

3:1

Shrink ratio

-55°C - 135°C
(-67°F to 275°F)

Continuous
operating
temperature

Markets:

Commercial, Industrial installation, Military

Standards:



*Hardware used "XD Q" printer from CAB and "RBZ11DR" ribbon from DSG-Canusa.

DERAY®-MTSR

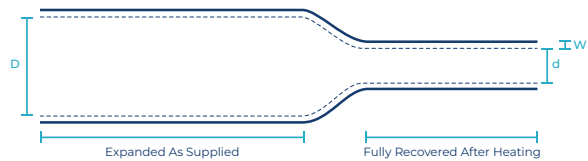
ORDER NUMBER	EXPANDED	RECOVERED		DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	SPOOL LENGTHS
	<i>mm (in)</i>	<i>mm (in)</i>	<i>mm (in)</i>	<i>m (ft)</i>
0125	3.2 (1/8)	1.0 (0.039)	0.55 (0.022)	100 (328)
0187	4.8 (3/16)	1.5 (0.059)	0.60 (0.024)	70 (230)
0250	6.4 (1/4)	2.0 (0.079)	0.65 (0.026)	70 (230)
0375	9.5 (3/8)	3.0 (0.118)	0.75 (0.030)	70 (230)
0500	12.7 (1/2)	4.0 (0.157)	0.75 (0.030)	45 (148)
0750	19.0 (3/4)	6.0 (0.236)	0.85 (0.034)	25 (82)
1000	25.4 (1)	8.0 (0.315)	1.00 (0.039)	25 (82)
1500	39.0 (1 1/2)	13.0 (0.512)	1.15 (0.045)	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:
 - Color: Yellow (YW), White (WT)
- Please specify the product name, order number and options you require
- Example: DERAY®-MTSR, 0250 or 6.4/2.0mm, yellow

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



We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

For further information, please contact:

Americas: 800 422 6872
Canada: 800 845 6808

Asia Pacific: +86 512 82280099
Europe: +49 2226 9047 355

DERAY®-MTSR

Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Material	PE, modified, free of lead, cadmium and silicon	n/a
Surface	smooth	n/a
Shrink ratio	3:1	n/a
Longitudinal change	±10% max.	ASTM-D 2671
Specific gravity	1.3 g/cm ³	ASTM-D 792, A-1
MECHANICAL		
Tensile strength	17 MPa min.	IEC 60684-2
Elongation	500% min.	IEC 60684-2
THERMAL		
Tensile strength after thermal ageing (168 h at 158°C)	13 MPa	UL 224
Elongation after thermal ageing (168 h at 158°C)	300 %	UL 224
Combustion behaviour	selfextinguishing	UL 224
Shrink temperature	90°C max.	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-55°C to 135°C	IEC 216
CHEMICAL		
Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
Copper compatibility	non-corrosive	ASTM-D 2671 Meth. B
Chemical resistance	passed	SAE AS-81531-3.4.3
Water absorption	0.20%	VDE 0473
ELECTRICAL		
Dielectric strength	25 kV/mm	VDE 0303 Part 2
Volume resistivity	10 ¹⁶ Ω x cm	VDE 0303 Part 3

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