DERAY®-MTSR

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:

RoHS

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

DSG-CANUSA

DERAY®-MTSR

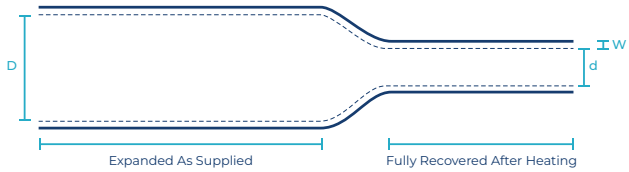
ORDER NUMBER	EXPANDED	RECOVERED		DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	SPOOL LENGTHS
	mm (in)	*mm (in)*	*mm (in)*	*m (ft)*
0125	3.2 (1/8)	1.0 (0.039)	0.55 (0.022)	100 (328)
0187	4.8 (3/16)	1.5 (0.059)	0.60 (0.024)	70 (230)
0250	6.4 (1/4)	2.0 (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.



For further information, please contact:

Americas: 800 422 6872
Canada: 800 845 6808
Asia Pacific: +86 512 82280099
Europe: +49 2226 9047 355

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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/cm³	ASTM-D 792, A-I
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	$10^{16}\Omega$ x cm	VDE 0303 Part 3

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