

# DMS MT

Thin wall crosslinked polyolefin

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



## Features and Benefits

- Flame retardant
- Flexible
- 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 performance class of QPL SAE AS23053/5 Class 1
- Meets the material performance class of DEF STAN 59-97 Type 2b
- SAE AS 81531 4.6.2 & MIL-STD-202F Methode 215J

## Typical Applications

- Cable 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.

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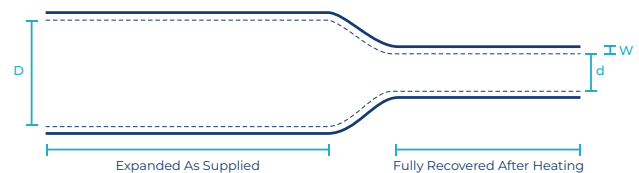
ORDER NUMBER	EXPANDED	RECOVERED		DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	PIECES
	mm (in)	mm (in)	mm (in)	
DMS MT 3.2	3.2 (1/8)	1.0 (0.039)	0.55 (0.022)	2,500
DMS MT 4.8	4.8 (3/16)	1.5 (0.059)	0.60 (0.024)	1,000
DMS MT 6.4	6.4 (1/4)	2.0 (0.079)	0.65 (0.025)	1,000
DMS MT 9.5	9.5 (3/8)	3.0 (0.118)	0.75 (0.030)	1,000
DMS MT 12.7	12.7 (1/2)	4.0 (0.157)	0.75 (0.030)	500
DMS MT 19.0	19.0 (3/4)	6.0 (0.236)	0.85 (0.033)	500
DMS MT 25.4	25.4 (1)	8.0 (0.315)	1.00 (0.039)	500
DMS MT 39.0	39.0 (1 1/2)	13.0 (0.512)	1.15 (0.045)	500

## 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 (YL), White (WT)
  - Perforation and lengths: no perforation (P0) with 50 mm lengths, 1 perforation (P1) with 25 mm lengths, 2 perforations (P2) with 16,6 mm lengths, 3 perforations (P3) with 12,5 mm lengths
- Please specify the product name, order number and options you require
- Example: DMS MT, 4.8, yellow, P1

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

## Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Material	Polyofelin, modified; REACH & ROHs compliant	n/a
Shrink ratio	3:1	n/a
Longitudinal change	±10% max.	ASTM-D 2671
Specific gravity	1.3 g/cm <sup>3</sup>	ASTM-D 792, A-I
MECHANICAL		
Tensile strength	17 MPa	IEC 60684-2
Elongation	500%	IEC 60684-2
Secant Modulus	175 MPa	ASTM-D 882
THERMAL		
Tensile strength after thermal ageing (168 h at 175°C)	300%	ASTM D 2671
Elongation after thermal ageing (168 h at 175°C)	13 MPa	ASTM-D 2671
Tensile strength after heat shock (4hrs at 250°C)	19 MPa	IEC 811-1-3
Elongation after heat shock (4hrs at 250°C)	no cracking or flowing	ASTM-D 2671
Cold bend test	does not break at -55°C	ASTM-D 2671 Meth. C
Flammability	flame retardant	UL 224
CHEMICAL		
Corrosive Action	non-corrosive	ASTM-D 2671 Meth. A
Copper Compatibility	non-corrosive	ASTM-D 2671 Meth. B
Chemical Resistance	good	n/a
Water Absorption	0.20%	VDE 0472
ELECTRICAL		
Dielectric strength	24 kV/mm	VDE 0303 Part 2
Volume resistivity	10 <sup>16</sup> Ω x cm	VDE 0303 Part 3

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