



# TECHNICAL DATA SHEET

www.tycoident.com

Document number: TTDS-005

Issue: 7

Date: March 2013

## DMVF/TTVF Tedlar™ Labels

<b>MATERIAL DESCRIPTION:</b>	Aerospace grade polyvinylfluoride (Tedlar™) film with a printable coating to enhance ink receptivity. Self extinguishing material. Supplied as die cut labels with a permanent acrylic pressure sensitive adhesive on an 80lb liner.
<b>USE:</b>	Wire bundle/cable identification labels. Can be used in wrap-around or flag configurations. Ideal in a variety of harsh physical and chemical environments, especially aerospace and military applications.
<b>PRINT METHOD/RIBBON:</b>	Dot matrix: AM6310 printer, 1892BK01 Ribbon Dot matrix: Epson-LQ870, 1330-0037-00 Ribbon  Thermal transfer: T300 Series, Tyco 1330-3300-XX Ribbon Thermal transfer: T200 Series, Tyco 1330-3300-101TT Ribbon Thermal transfer: T400 Series, Tyco 1330-3300-XX Ribbon
<b>SHELF LIFE:</b>	3 years when stored at 13 to 29C (55 to 85F) at 40-65% R.H. Tested to ASTM 3611 for 144 hours
<b>ADHESIVE:</b>	Permanent acrylic giving superior solvent and UV resistance.
<b>COLOR:</b>	White and yellow. Other colors available.
<b>APPROXIMATE THICKNESSES:</b>	Face stock: 0.050mm (0.002 inches). Adhesive: 0.025mm (0.001 inches). Liner: 0.050mm (0.002 inches).
<b>ADHESION:</b>	PSTC-1 (180° peel direction), 15 minute dwell at 21°C (70°F):  Fiberglass: 30N/100mm (30oz/inch).  Phenolic, nylon: 60N/100mm (55oz/inch).  Aluminum, stainless steel, galvanized steel, alkyd enamel: 55N/100mm (50oz/inch).

Page 1 of 2

### Business locations:

☎ N America: + 1 650 361 3860 (West Coast)  
☎ France: + 33 (0) 4 76 09 96 96 (Labels)  
☎ Germany: + 49 (0) 6074 8908 0  
☎ UK: + 44 (0) 1495 244 000 (Labels)  
☎ Japan: + 81 (0) 44 900 5102

☎ N America: + 1 401 751 6505 (East Coast)  
☎ France: + 33 (0) 1 34 20 21 22 (Other products)  
☎ UK: + 44 (0) 1793 528171 (Other products)  
☎ Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.



# TECHNICAL DATA SHEET

www.tycoident.com

Document number: TTDS-005

Issue: 7

Date: March 2013

## DMVF/TTVF Tedlar™ Labels

- SERVICE TEMPERATURE:** -40°C to +130°C (-40°F to +266°F).
- MINIMUM APPLICATION TEMPERATURE:** 10°C (50°F).
- FLAMMABILITY:** Meets the requirements of UL94 VTM-1.  
Self-extinguishing when tested to ASTM D1000-76 and Boeing Specification 13-47G.
- UV TRANSMISSIBILITY:** < 0.01%.
- DIELECTRIC STRENGTH:** > 9000V.
- CHEMICAL RESISTANCE:** Resistant to common fluids, lubricants and solvents.  
Meets the requirements of MIL-STD-833C, Notice 4, Method 2015.6 (Resistance to Solvents) and MIL-M-87958.
- ABRASION RESISTANCE:** Print legible after 200 revolutions of CS-10 wheel with 500g load (Taber Abrasor 5130). Print not affected after repeated rub testing as per AS-81531
- PRINT PERMANENCE:** Results when tested at 22°C (72°F):

FLUID	TEST	EFFECT
<u>MIL 202F</u>		
IPA/Mineral spirits	Repeated cleaning (30 wipes)	Print remains clearly legible
Bioact	Repeated cleaning (30 wipes)	Print remains clearly legible
Butyl Cellusolve	Repeated cleaning (30 wipes)	Print remains clearly legible
IPA	10 minute soak	No visual effect
Deionized water	10 minute soak	No visual effect
21SAE 20W (Engine Oil)	10 minute soak	No visual effect

Page 2 of 2

Business locations:

- ☎ N America: + 1 650 361 3860 (West Coast)
- ☎ France: + 33 (0) 4 76 09 96 96 (Labels)
- ☎ Germany: + 49 (0) 6074 8908 0
- ☎ UK: + 44 (0) 1495 244 000 (Labels)
- ☎ Japan: + 81 (0) 44 900 5102

- ☎ N America: + 1 401 751 6505 (East Coast)
- ☎ France: + 33 (0) 1 34 20 21 22 (Other products)
- ☎ UK: + 44 (0) 1793 528171 (Other products)
- ☎ Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.