2	70°2.0 m (Opi For more Drossba product Drawing	tional) – e details ich's slott see Dros DWCS-	Slot on- ted ssbach's	90°2.	<u>:</u> Coloured identifi → stripe (optional) 0 mm (typ.) Slot (Optional) mm (typ.) Slot (Optional) ach IMDS submi	otional)				A B SC	also availa	of this product able with optiona cuffed ends 002
	Material & Code		Delphi (Packard)	Ford	General Motors	Chrysler	ASTM	Flame Rating	UV	1	tance Abrasion	Flexibility
	Polyethylene - * Continuous Operating Temperature -40 to +85C (-40 to +185F). *Short Term -40 to 93C (-40 to +200F)											
	DE	TD-013					, <u> </u>		No	Good	Good	Excellent
	HV	TD-015							No	Good	Good	Good
	KE	TD-018	M-2092						No	Good	Good	Excellent
	PE	TD-013							No	Good	Good	Excellent
	FE	TD-003						DR-006-SE	No	Good	Good	Excellent
2	VE	TD-019						UL-94 V2	No	Good	Good	Excellent
1		TD-014						UL-94 V0	No	Good	Good	Excellent
	SE	TD-002		ESB-M4D152-A				020110	No	Good	Good	Excellent
6	UC	TD-017		202 1112 102 71					Yes	Good	Good	Excellent
4	UV	TD-024							Yes	Good	Good	Excellent
	Nylon - * Continuous Operating Temperature -40 to +125C (-40 to +257F). *Short Term -40 to 149C (-40 to +300F)											
23	ND	TD-007		WSS-M4D933-A1 ES-XU5T-14A099-AA		MS-DB41 CPN 4059	D4066PA283	UL-94 HB FMVSS 302	No	Good	Excellent	Good
23	NP	TD-008	M-2170		GMP.PA6.003 GM 7001-M-PA6	MS-DB41 CPN-2785	D4066PA260	UL-94 HB FMVSS 302	INO	Good	Excellent	Good
4	NU	TD-012							Yes (4)	Good	Excellent	Good
	Polypro	pylene -	• * Continuo	ous Operating Ten	perature -40 to	+125C (-40 to	+257F). *Sh	ort Term -40		C (-40 to +2	75F)	
23	AP	TD-025					,	UL-94 V23 FMVSS 302		Good	Good	Good
	FP	TD-023						DR-006-SE	No	Good	Good	Good
	PP	TD-009							No	Good	Good	Good
	RP	TD-011	M-2262-001			MS-DB532-B CPN-2796			No	Good	Good	Excellent
2	VP	TD-010						UL-94 V2	No	Good	Good	Good
	Polyeste	r - *Con	tinuous Op	erating Temperati	ure -40 to +150C	(-40 to +302F	). *Short Ter	m -40 to +1	70C (-4	to + 338F)		
	PT	TD-001	M-2373						No	Good	Good	Excellent
** (	<b>temper</b> a Chemical	a <b>tures.</b> Ratings	The "Sh are just ger	ting Temperatur ort Term" Operation neral descriptive ration Documents can be	ating temperat	ures is cons etailed Chemic	al Resistance	e minimu information	<b>m of 1</b> see <u>Dr</u>	68Hrs @ tl ossbach,s (	he stated Chemical I	temperatures Resistance

Nominal Dia. Units Dimension "A" Dimension "B" Dim. "C" Dim. (E) ID Code ID OD Wall Corr Ht. Min Max. Min Max. Diameter Min Ref. 1/4" 014 mm 6.02 6.76 9.45 10.16 0.11 1.71 (6 mm) nches 0.237 0.266 0.372 0.400 0.004 0.067 1/4" 07L mm 6.50 7.01 9.47 10.11 0.11 1.52 0.373 0.256 0.276 0.398 0.004 0.060 (7 mm) nches 3/8" 13.36 0.12 1.91 038 8.66 9.65 12.59 mm 0.380 0.496 0.075 (9 mm) nches 0.341 0.526 0.005 3/8" 09L mm 9.35 10.11 12.56 13.32 0.12 1.61 (9 mm) nches 0.368 0.398 0.494 0.524 0.005 0.063 2.10 7/16" 716 mm 10.13 11.10 14.46 15.16 0.12 (10 mm) nches 0.399 0.437 0.569 0.597 0.005 0.083 1/2" 13L 11.97 13.07 16.39 17.31 0.12 2.17 mm 0.645 0.681 0.085 (13 mm) nches  $0.47^{\circ}$ 0.515 0.005 1/2" 12.01 13.11 16.87 17.78 0.12 2.38 012 mm 0.473 0.516 0 664 0.700 0.005 0 0 9 4 (13 mm) nches 1.74 5/8 15.11 16.08 18.59 19.56 0.12 16L mm 0.595 0.633 0.732 0.770 0.005 0.069 (16 mm) nches 5/8 15.32 16.23 20.36 21.26 0.12 2.45 058 mm (16 mm) nches 0.603 0.639 0.802 0.837 0.005 0.099 5/8' 16.40 16.60 21.50 22.00 0.22 2.63 17F mm 0.009 (17 mm) nches 0.646 0.654 0.8460.866 0.103 5/8 17L mm 16.25 17.15 20.42 21.32 0.12 2.09 (17 mm) nches 0.640 0.675 0.804 0.839 0.005 0.082 5/8' 18L mm 16.73 17.75 21.69 22.59 0.12 2.45 (18 mm) nches 0.659 0.699 0 854 0.889 0.005 0.096 3/4" 034 17.96 19.28 24.13 25.12 0.12 3.00 mm (1<u>9 mm)</u> 0 707 0.759 0.950 0.989 0.005 0.118 nches 3/4" 19L mm 18.97 19.86 23.10 23.86 0.12 2.03 0.782 0.909 19 mm) nches 0.747 0.939 0.005 0.080 7/8' 078 mm 21.54 22.81 28.12 29.24 0.13 3.25 (22 mm) nches 0.848 0.898 1.107 1.151 0.005 0.128 1" 23L 24.10 28.17 2.16 22.78 27.36 0.15 mm 0.897 0.949 0.085 (23 mm) 1 077 1 1 0 9 0.006 nches 100 25.91 27.16 31.78 33.13 0.15 2.96 mm 1.069 (25 mm) nches 1 0 2 0 1 251 1 304 0.006 0 117 1 1/8" 118 mm 28.50 29.86 34.58 35.88 0.15 3.03 (29 mm nches 1.122 1.176 1.361 1.413 0.006 0.119 30.45 31.93 38.10 0.15 3.11 1 1/4' 114 mm 36.73 1.257 1.446 1.500 0.006 (30 mm) nches 1.199 0.123 1 1/2" 39.78 41.83 47.42 49.45 0.15 3.82 112 mm (40 mm) 1.566 1.647 1.867 1.947 0.006 0.150 nches 2' 200 50.01 51.77 58.04 60.66 0.28 4.23 mm 1 969 2 0 3 8 2 285 2 388 0 011 0.167 (51 mm) nches 2 1/2' 73.01 4.34 62.15 0.28 212 mm 63.90 70.39 (64 mm)2.447 2.516 2.771 2.874 0.011 0.171 nches 3 1/2" 312 mm 88.41 90.41 97.00 100.00 0.28 4.55 3.559 (89 mm) Inches 3.481 3.819 3.937 0.011 0.179

**Product Dimensions** 

## Dimension "D" Cut-To-Length Specifications for Product <20' (<6096 mm)

hrs at the stated the stated temperatures

REV#:

34

Product >20' (>6096 mm) in length is considered to be "Bulk" Product

Products Listed are standard products. Unique sizes, materials & colours are available but are special order and subject to set-up & minimum quantities costs. Note:

- (A) Product tolerances are general and are designed to encompass all available materials. Tighter tolerances may be available for a specific material.
- (B) Product with an I.D. > 1.0 " will not meet the std. cut length tolerances listed above. Special cut length tolerance will be given on a case to case basis.

All dimensions are in both Imperial and Metric. Do Not Scale Drawing.

Drossbach **Convoluted Tubing** IATF 16949 & ISO 9001 reaisterea MATERIALS: N/A FINISH: N/A SCALE: N/A Tol.: .XX ANGLES (�) TOLERANCES PER: .XXX APPROVAL: Janet Mann APPROVAL: Neil Coleman DATE: 10/04/19

(TD Sheets and Chemical Resistance charts) can be downloaded from our website <u>www.drossbach.com</u> or by request.

All Drossbach's products are compliant with the <u>European Union's Directive 2002/95/EU (RoHS), REACH Regulation and Conflict Minerals Initiative</u> Notes:

①The "V0" product is designated non-Halogenated product

(2) All UL & FMVSS 302 flame ratings are for the resin used to manufacture our product, not our end product. Testing of standard plaque not tubing.

- (3) This product has been tested and will meet the requirements of UL 94 (as stated in the above chart). This product has not been certified yet By UL but Documentation is available showing test results complying to the UL test.
- $(\underline{4})$  Based on our "UV" stabilizer supplier recommendation, the percentage used allows for a 3-5 Year weather able product.

(5) This product is manufactured with a "UV inhibitor" additive. Drossbach does not claim or state any UV life or warranty for this product (see TDS-024) (6) This product has limited "UV" protection created by increased amount of Carbon Black blended into it's composition (see TDS-017).

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## DRAWING#: DWCS-001