	0	°Slit (Op	tional)	d View Note	Coloured identifi	cation				vv			
2		ional) _ ▼ °	▶		o stripe (optional) 0 mm (typ.) Slot (Optional)						А В 		
	For more Drossba												
	product s Drawing	see Dros DWCS-(sbach's		2.0 mm (typ.) Slot	(optional)	Some sizes of available with cuffed ends se	optional sm ee DWCS-00	ooth wa		E)Ref.		
	Material						ASTM	Flame	· ·	Resistance		The state life is	
	& Code		Delphi (Packard)		General Motors	Chrysler	ASTM	D (1)	UV Inhibitor	Chemical ** See Note	Abrasion	Flexibility	
	Polyethy	lene - *	Continuou	s Operating Temp	erature -40 to +8	35C (-40 to +1	85F). *Short	Term -40 to	93C (-4				
	DE	TD-013							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	
2)	V0	TD-014						UL-94 V0	No	Good	Good	Excellent	
	SE	TD-002		ESB-M4D152-A					No	Good	Good	Excellent	
6)	UC	TD-017							Yes	Good	Good	Excellent	
	Nylon -	* Contin	uous Oper	ating Temperature	e -40 to +125C (-4	40 to +257F).	*Short Term	-40 to 149C	(-40 to	+300F)	1		
2)	ND	TD-007		WSS-M4D933-A1 ES-XU5T-14A099-AA		MS-DB41 CPN 4059	D4066PA283	FMVSS 302	No	Good	Excellent	Good	
2)	NP	TD-008	M-2170		GMP.PA6.003 GM 7001-M-PA6	MS-DB41 CPN-2785	D4066PA260	UL-94 HB FMVSS 302	-	Good	Excellent	Good	
4)	NU	TD-012							Yes Note	Good	Excellent	Good	
	Polyprop	- ylene	* Continuo	ous Operating Ten	perature -40 to	+125C (-40 to	+257F). *Sho	ort Term -40	to 135	C (-40 to +2	75F)		
2)	FP	TD-023						DR-006-SE	No	Good	Good	Good	
	PP	TD-009							No	Good	Good	Good	
3	P0	TD-004					3)UL-94 V0	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 Temperate	ure -40 to +150C	(-40 to +302F). *Short Ter	m -40 to +1	70C (-40) to + 338F)			
1	PT	TD-001	M-2373						No	Good	Good	Excellent	

** Chemical Ratings are just general descriptive ratings. For more detailed Chemical Resistance information see **Drossbach,s Chemical Resistance charts (CR-XXX series)**. These Documents can be cross referenced using Drossbach's Technical Data sheets listed above. Both documents (TD Sheets and Chemical Resistance charts) can be downloaded from our website **WWW.drossbach.com** 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:

(1)The "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 V0 or HB (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.
- (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

Product Dimensions

Nominal	Dia.	Units	Dimon	sion "A"	Dimon	tion "P"	Dim "C"	Dim (E)	
ID	Code	Units	Dimension "A"		Dimension "B"		Wall	Dim. (E) Corr Ht.	
	Code					Min	Ref.		
Diameter				Max.	Min	Max.			
1/4"	014	mm	6.02	6.76	9.45	10.16	0.11	1.71	
(6 mm)		Inches	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	
(7 mm)		Inches	0.256	0.276	0.373	0.398	0.004	0.060	
3/8"	038	mm	8.66	9.65	12.59	13.36	0.12	1.91	
(9 mm)	0.01	Inches	0.341	0.380	0.496	0.526	0.005	0.075	
3/8"	09L	mm	9.35	10.11	12.56	13.32	0.12	1.61	
(9 mm)	740	Inches	0.368	0.398	0.494	0.524	0.005	0.063	
7/16"	716	mm	10.13	11.10	14.46	15.16	0.12	2.10	
(10 mm)		Inches	0.399	0.437	0.569	0.597	0.005	0.083	
1/2"	13L	mm	11.97	13.07	16.39	17.31	0.12	2.17	
(13 mm)		Inches	0.471	0.515	0.645	0.681	0.005	0.085	
1/2"	012	mm	12.01	13.11	16.87	17.78	0.12	2.38	
(13 mm)	4.01	Inches	0.473	0.516	0.664	0.700	0.005	0.094	
5/8"	16L	mm	15.11	16.08	18.59	19.56	0.12	1.74	
(16 mm)		Inches	0.595	0.633	0.732	0.770	0.005	0.069	
5/8"	058	mm	15.32	16.23	20.36	21.26	0.12	2.45	
(16 mm)	475	Inches	0.603	0.639	0.802	0.837	0.005	0.099	
5/8"	17F	mm	16.40	16.60	21.50	22.00	0.22	2.63	
(17 mm)		Inches	0.646	0.654	0.846	0.866	0.009	0.103	
5/8"	17L	mm	16.25	17.15	20.42	21.32	0.12	2.09	
(17 mm)	4.01	Inches	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)	004	Inches	0.659	0.699	0.854	0.889	0.005	0.096	
3/4"	034	mm	17.96	19.28	24.13	25.12	0.12	3.00	
(19 mm) 3/4"	401	Inches	0.707	0.759	0.950	0.989	0.005	0.118	
	19L	mm	18.97	19.86	23.10	23.86	0.12	2.03	
(19 mm) 7/8"	070	Inches	0.747	0.782	0.909	0.939	0.005	0.080	
	078	mm	21.54	22.81	28.12	29.24	0.13	3.25	
(22 mm)	0.01	Inches	0.848	0.898	1.107	1.151	0.005	0.128	
1" (22 mm)	23L	mm	22.78	24.10	27.36	28.17	0.15	2.16	
(23 mm) 1"	100	Inches	0.897	0.949	1.077	1.109	0.006	0.085	
•	100	mm	25.91	27.16	31.78	33.13	0.15	2.96	
(25 mm)	440	Inches	1.020	1.069	1.251	1.304	0.006	0.117	
1 1/8" (20 mm)	118	mm	28.50	29.86	34.58	35.88	0.15	3.03	
(29 mm) 1 1/4"	114	Inches	1.122	1.176	1.361	1.413	0.006	0.119	
	114	mm	30.45	31.93	36.73	38.10	0.15	3.11	
(30 mm)	44.0	Inches	1.199	1.257	1.446	1.500	0.006	0.123	
1 1/2"	112	mm	39.78	41.83	47.42	49.45	0.15	3.82	
(40 mm) 2"	200	Inches	1.566	1.647	1.867	1.947	0.006	0.150	
-	200	mm	50.01	51.77	58.04	60.66	0.28	4.23	
(51 mm)	242	Inches	1.969	2.038	2.285	2.388	0.011	0.167	
2 1/2"	212	mm	62.15	63.90	70.39	73.01	0.28	4.34	
(64 mm)	240	Inches	2.447	2.516	2.771	2.874	0.011	0.171	
3 1/2"	312	mm	88.41	90.41	97.00	100.00	0.28	4.55	
(89 mm)	L	Inches	3.481	3.559	3.819	3.937	0.011	0.179	
					norn Si	Deciticat	IONS		
1		mension equal to 4					an 400mm	or 15 75"	

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

Note:

REV#:

29

- (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.

