

PTFE Convoluted Tubing

Series CV01, CVL, CVH

High temperature electrical insulation
for harnessing wires and cables.



Features

- Chemically inert
- Low coefficient of friction
- Very flexible
- Self extinguishing
- Non-wetting
- Low Profile - Larger inside diameter for increased flow
- Heavy Wall - Reinforces the strength of the tube allowing for braiding or covering, flanging or flaring; handles higher vacuum

Notes

- Working Temperature: °F (-73°C) to 500°F (260°C)
- Standard cuffs are sized on the inside diameter
- Wire wrap reinforcement can be added for increased pressure applications or when a tighter bend radius is needed
- ** Minimum 36" length

Fittings

Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI

(269) 692-6555
(269) 692-6634 FAX
parker.com/fsc

For approved fittings and/or suggested use of tube supports, reference Tube/Fitting Compatibility Chart (pg. B-8/B-9) or contact Parker Fluid Systems Connectors Division

Compliance

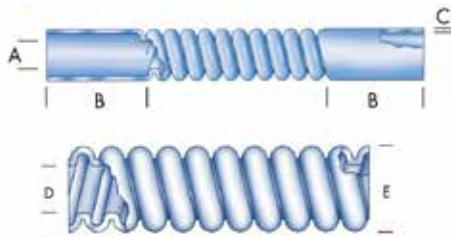
- AMS 3653
- 21 CFR 177.1550 Compliant
- USP Class VI Compliant

Colors

- ○ Standard is natural
- Colors available as custom run

Color Code			Color Code		
○	N	Natural	●	5	Green
●	0	Black	●	6	Blue
●	1	Brown	●	7	Violet
●	2	Red	●	8	Gray
●	3	Orange	○	9	White
●	4	Yellow			

Standard Cuffs
are sized on the I.D.



Order Information

Example: CV01-1/8-NT

CV01-1/8-NT – Convoluted

CV01-1/8-NT – PTFE

CV01-1/8-NT – Tube O.D. in inches (1/8")

CV01-1/8-NT – Natural

CV01-1/8-NT – Bulk Tubing "T" is bulk (for cuffed tubing, remove "T" and add length, ie. CV01-1/8-NT-N1200 = 1" Convo, natural, cut 12" long)



WARNING

This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

PTFE Convoluted Tubing

Series CV01, CVL, CVH

Series CV01 - Standard Convoluted Tubing

Part Number	Order Size	Standard Cuff I.D. "A"		Standard Cuff Length "B"		Wall Thickness "C"		Minimum Inside Diameter "D"		Maximum Inside Diameter "D"		Maximum Outside Diameter "E"		**Minimum Bend Radius		Weight	
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lb/ft	kg/mtr
CV01-1/8-NT	CONV-2	1/8	3.18	3/4	19.1	0.010	0.25	0.130	3.3	0.140	3.6	0.235	5.9	3/8	9.5	0.007	0.008
CV01-1/4-NT	CONV-4	1/4	6.35	3/4	19.1	0.015	0.38	0.181	4.6	0.188	4.8	0.320	8.1	1/2	12.7	0.014	0.016
CV01-5/16-NT	CONV-5	5/16	7.94	1	25.4	0.020	0.51	0.273	6.9	0.281	7.1	0.414	10.5	3/4	19.1	0.024	0.028
CV01-3/8-NT	CONV-6	3/8	9.53	1	25.4	0.020	0.51	0.303	7.7	0.312	7.9	0.450	11.4	1-3/4	44.4	0.029	0.034
CV01-1/2-NT	CONV-8	1/2	12.7	1	25.4	0.020	0.51	0.425	10.8	0.437	11.1	0.590	15.0	1-1/4	31.2	0.045	0.042
CV01-5/8-NT	CONV-10	5/8	15.9	1-1/4	31.8	0.025	0.64	0.485	12.3	0.500	12.7	0.660	16.8	1-1/2	38.1	0.058	0.054
CV01-3/4-NT	CONV-12	3/4	19.1	1-1/2	38.1	0.023	0.58	0.608	15.4	0.625	15.9	0.780	19.8	1-3/4	44.4	0.071	0.066
CV01-1.00-NT	CONV-16	1	25.4	2	50.8	0.030	0.76	0.849	21.6	0.875	22.2	1.100	27.9	2-1/4	57.2	0.126	0.118
CV01-1.25-NT	CONV-20	1-1/4	31.8	2-1/2	63.5	0.035	0.89	1.150	29.2	1.190	30.2	1.560	39.6	2-3/4	69.9	0.207	0.193
CV01-1.50-NT	CONV-24	1-1/2	38.1	2-1/2	63.5	0.040	1.02	1.410	35.8	1.490	37.8	1.910	48.5	3	76.2	0.273	0.254
CV01-2.00-NT	CONV-32	2	50.8	2-1/2	63.5	0.043	1.09	1.955	49.7	1.985	50.4	2.450	62.2	4-1/4	107.9	0.516	0.384
CV01-2.50-NT	CONV-40	2-1/2	63.5	2-1/2	63.5	0.062	1.57	2.460	62.5	2.540	64.5	3.210	81.6	5	127.0	0.905	0.674
CV01-3.00-NT	CONV-48	3	76.2	2-1/2	63.5	0.070	1.78	2.940	74.7	3.060	77.7	3.750	95.3	7	177.8	1.123	0.836
CV01-4.00-NT	CONV-64	4	101.6	2-1/2	63.5	0.070	1.78	3.940	100.1	4.060	103.1	4.750	120.6	9	228.6	1.559	1.160

** Minimum 36" length

Series CVL - Low Profile Convoluted Tubing

Part Number	Order Size	Minimum Inside Diameter	Maximum Inside Diameter	Maximum Outside Diameter	Wall Thickness	**Minimum Bend Radius	Weight						
		inch	mm	inch	mm	inch	kg/mtr						
CVL01-3/8-NT	3/8	0.394	10.0	0.410	10.3	0.560	14.2	0.023	0.58	1/2	13	0.040	0.046
CVL01-1/2-NT	1/2	0.490	12.5	0.510	13.0	0.700	17.8	0.025	0.64	3/4	19	0.066	0.061
CVL01-3/4-NT	3/4	0.740	18.8	0.760	19.3	0.980	24.9	0.035	0.89	1.88	48	0.142	0.132
CVL01-1.00-NT	1	0.990	25.1	1.010	25.7	1.260	32.0	0.035	0.89	2-1/4	57	0.185	0.172
CVL01-1.25-NT	1-1/4	1.210	30.7	1.250	31.8	1.539	39.1	0.035	0.89	3	76	0.213	0.198
CVL01-1.50-NT	1-1/2	1.520	38.6	1.540	39.1	1.870	47.5	0.044	1.12	3-1/2	89	0.303	0.282
CVL01-1.75-NT	1-3/4	1.690	42.9	1.750	44.5	2.100	53.3	0.040	1.02	4-1/4	108	***	***
CVL01-2.00-NT	2	2.010	51.1	2.030	51.6	2.370	60.2	0.043	1.09	4-3/4	121	0.493	0.367

** Minimum 36" length ***Contact Division

Series CVH - Heavy Wall Convoluted Tubing

Part Number	Order Size	Minimum Inside Diameter	Maximum Inside Diameter	Maximum Outside Diameter	Wall Thickness	**Minimum Bend Radius	Weight						
		inch	mm	inch	mm	inch	kg/mtr						
CVH01-1/4-NT	1/4	0.257	6.5	0.265	6.7	0.415	10.5	0.025	0.64	3/4	19	***	***
CVH01-3/8-NT	3/8	0.335	8.5	0.345	8.8	0.510	13.0	0.025	0.64	1	25	0.039	0.044
CVH01-1/2-NT	1/2	0.454	11.5	0.466	11.8	0.700	17.8	0.035	0.89	1-1/2	38	0.088	0.082
CVH01-3/4-NT	3/4	0.683	17.4	0.701	17.8	1.010	25.7	0.050	1.27	1.88	48	0.083	0.077
CVH01-1.00-NT	1	0.841	21.4	0.859	21.8	1.210	30.7	0.053	1.35	2-1/2	64	0.265	0.247
CVH01-1.25-NT	1-1/4	1.125	28.6	1.145	29.1	1.610	40.9	0.062	1.57	3.13	79	0.381	0.354
CVH01-1.50-NT	1-1/2	1.420	36.1	1.480	37.6	1.880	47.8	0.062	1.57	3-3/5	95	0.454	0.422
CVH01-1.75-NT	1-3/4	1.540	39.1	1.600	40.6	2.100	53.3	0.062	1.57	4-1/4	114	***	***
CVH01-2.00-NT	2	1.770	45.0	1.830	46.5	2.432	61.8	0.062	1.57	4-3/4	120	0.729	0.542
CVH01-2.50-NT	2-1/2	2.460	62.5	2.540	64.5	3.210	81.5	0.062	1.57	5	127	***	***
CVH01-3.00-NT	3	2.940	74.7	3.060	77.7	3.750	95.3	0.062	1.57	7	178	***	***
CVH01-4.00-NT	4	3.900	100.0	4.060	103.0	4.750	121.0	0.070	1.77	9	229	***	***

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