



KONGSBERG
AUTOMOTIVE

ConvoFlex®

FLUID TRANSFER SYSTEMS



PROPERTIES

APPLICATION	USED GLOBALLY IN APPLICATIONS THAT REQUIRE MORE FLEXIBILITY OR TIGHTER BEND RADIUS WHILST REQUIRING EASY CLEANING AND/OR VACUUM RESISTANCE. DUE TO ITS HEAVY WALL IT IS MORE SUITED TO THE ARDUOUS APPLICATIONS FOUND IN THE PROCESS PLANT INDUSTRY
DESIGN	HEAVY WALL CONVOLUTED PTFE TUBE
INNER LAYER	HELICALLY CONVOLUTED HEAVY WALL PTFE TUBE
OUTER LAYER	INTEGRATED HELIX WIRE, STAINLESS STEEL 304/316 & POLYPROPYLENE BRAIDS*
TEMPERATURE MIN/MAX	-60°C TO +260°C (-76°F TO +500°F)
MATERIAL	PTFE ACCORDING TO: "ASTM D4895, TYPE 1, GRADE 4, CLASS B" "ASTM D4895, TYPE 1, GRADE 3, CLASS B"

PRODUCT DESCRIPTION

Heavy wall extruded convoluted hose used extensively through the process industry due to its self-cleaning design and the unique way the hose can be lined through the fittings to make a completely bug free environment for applications where cleanliness is paramount. Also, protects fittings against corrosion in applications transferring aggressive media. Can be coupled with an integrated helix wire for kink resistance, vacuum resistance at elevated temperatures and with Stainless steel 304/316 or Polypropylene braids.



EUROPE: FOXBRIDGE WAY, NORMANTON, WEST YORKSHIRE, WF6 1TN, UNITED KINGDOM // T: +44 1924 228000

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CHINA: NO.30 & 32, XIKUNRD, WUXI SINGAPORE IND. PARK, WUXI, JIANGSU PROVINCE P.R CHINA, 214028 // T: +86 510 8528 5903



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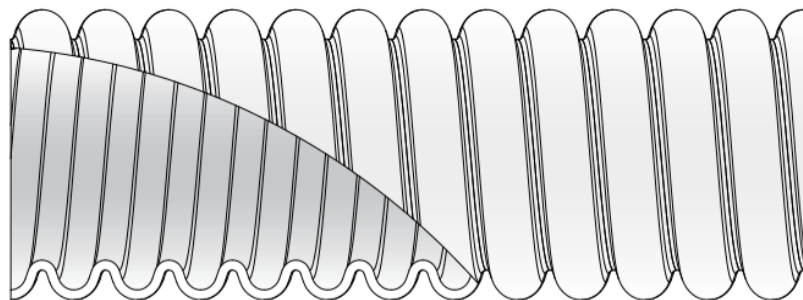


ConvoFlex Bare Tube

PART NUMBER	DESCRIPTION	ID NOMINAL		TOLERANCE		OD NOMINAL		TOLERANCE		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS		VACUUM RATING		WEIGHT
		mm	in	mm	in	mm	in	mm	in	mm	in	psi	bar	psi	bar	mm	in	psi	bar	
TCMV12-8CBT	1/2" ConvoFlex	13.10	0.52	0.75	0.03	17.90	0.70	0.75	0.03	0.89	0.04	58.02	4.00	174.05	12.00	25.00	0.98	-11.60	-0.80	0.11
TCMV16-0CBT	5/8" ConvoFlex	16.00	0.63	0.75	0.03	21.85	0.86	0.75	0.03	0.89	0.04	43.51	3.00	130.53	9.00	30.00	1.18	-11.60	-0.80	0.14
TCMV18-6CBT	3/4" ConvoFlex	19.00	0.75	1.00	0.04	26.40	1.04	1.00	0.04	1.00	0.04	43.51	3.00	130.53	9.00	50.00	1.97	-11.60	-0.80	0.21
TCMV24-8CBT	1" ConvoFlex	26.00	1.02	1.25	0.05	35.00	1.38	1.25	0.05	1.20	0.05	43.51	3.00	130.53	9.00	60.00	2.36	-11.60	-0.80	0.35
TCMV32-0CBT	1 1/4" ConvoFlex	32.00	1.26	1.25	0.05	41.00	1.61	1.25	0.05	1.20	0.05	36.26	2.50	108.78	7.50	80.00	3.15	-11.60	-0.80	0.37
TCMV35-5CBT	1 1/2" ConvoFlex	36.50	1.44	1.25	0.05	45.00	1.77	1.25	0.05	1.60	0.06	36.26	2.50	108.78	7.50	100.00	3.94	-11.60	-0.80	0.53
TCMV45-0CBT	1 3/4" ConvoFlex	44.00	1.73	1.75	0.07	55.00	2.17	1.75	0.07	1.60	0.06	36.26	2.50	108.78	7.50	120.00	4.72	-11.60	-0.80	0.72
TCMV47-5CBT	2" ConvoFlex	48.50	1.91	2.00	0.08	59.50	2.34	2.00	0.08	1.60	0.06	29.01	2.00	87.02	6.00	125.00	4.92	-11.60	-0.80	0.75
TCMV65-0CCBT	2 1/2" ConvoFlex	61.00	2.40	2.50	0.10	76.25	3.00	2.50	0.10	1.60	0.06	21.76	1.50	65.27	4.50	175.00	6.89	-11.60	-0.80	1.01
TCMV80-0CBT	3" ConvoFlex	74.00	2.91	3.00	0.12	92.00	3.62	3.00	0.12	1.50	0.06	18.85	1.30	56.56	3.90	200.00	7.87	-11.60	-0.80	1.20
TCMV100-0CBT	4" ConvoFlex	100.00	3.94	4.00	0.16	125.00	4.92	4.00	0.16	2.50	0.10	14.50	1.00	43.51	3.00	225.00	8.86	-11.60	-0.80	2.70
TCMV150-0CBT	6" ConvoFlex	150.00	5.91	5.00	0.20	180.00	7.09	5.00	0.20	2.50	0.10	7.25	0.50	21.76	1.50	250.00	9.84	-11.60	-0.80	3.64

ConvoFlex Bare Tube conductive

PART NUMBER	DESCRIPTION	ID NOMINAL		TOLERANCE		OD NOMINAL		TOLERANCE		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS		VACUUM RATING		WEIGHT
		mm	in	mm	in	mm	in	mm	in	mm	in	psi	bar	psi	bar	mm	in	psi	bar	
TCMF12-8CBT	1/2" ConvoFlex Conductive	13.10	0.52	0.75	0.03	17.90	0.70	0.75	0.03	0.89	0.04	58.02	4.00	174.05	12.00	25.00	0.98	-11.60	-0.80	0.11
TCMF16-0CBT	5/8" ConvoFlex Conductive	16.00	0.63	0.75	0.03	21.85	0.86	0.75	0.03	0.89	0.04	43.51	3.00	130.53	9.00	30.00	1.18	-11.60	-0.80	0.14
TCMF18-6CBT	3/4" ConvoFlex Conductive	19.00	0.75	1.00	0.04	26.40	1.04	1.00	0.04	1.00	0.04	43.51	3.00	130.53	9.00	50.00	1.97	-11.60	-0.80	0.21
TCMF24-8CBT	1" ConvoFlex Conductive	26.00	1.02	1.25	0.05	35.00	1.38	1.25	0.05	1.20	0.05	43.51	3.00	130.53	9.00	60.00	2.36	-11.60	-0.80	0.35
TCMF32-0CBT	1 1/4" ConvoFlex Conductive	32.00	1.26	1.25	0.05	41.00	1.61	1.25	0.05	1.20	0.05	36.26	2.50	108.78	7.50	80.00	3.15	-11.60	-0.80	0.37
TCMF35-5CBT	1 1/2" ConvoFlex Conductive	36.50	1.44	1.25	0.05	45.00	1.77	1.25	0.05	1.60	0.06	36.26	2.50	108.78	7.50	100.00	3.94	-11.60	-0.80	0.53
TCMF45-0CBT	1 3/4" ConvoFlex Conductive	44.00	1.73	1.75	0.07	55.00	2.17	1.75	0.07	1.60	0.06	36.26	2.50	108.78	7.50	120.00	4.72	-11.60	-0.80	0.72
TCMF47-5CBT	2" ConvoFlex Conductive	48.50	1.91	2.00	0.08	59.50	2.34	2.00	0.08	1.60	0.06	29.01	2.00	87.02	6.00	125.00	4.92	-11.60	-0.80	0.75
TCMF65-0CCBT	2 1/2" ConvoFlex Conductive	61.00	2.40	2.50	0.10	76.25	3.00	2.50	0.10	1.60	0.06	21.76	1.50	65.27	4.50	175.00	6.89	-11.60	-0.80	1.01
TCMF80-0CBT	3" ConvoFlex Conductive	74.00	2.91	3.00	0.12	92.00	3.62	3.00	0.12	1.50	0.06	18.85	1.30	56.56	3.90	200.00	7.87	-11.60	-0.80	1.20
TCMF100-0CBT	4" ConvoFlex Conductive	100.00	3.94	4.00	0.16	125.00	4.92	4.00	0.16	2.50	0.10	14.50	1.00	43.51	3.00	225.00	8.86	-11.60	-0.80	2.70
TCMF150-0CBT	6" ConvoFlex Conductive	150.00	5.91	5.00	0.20	180.00	7.09	5.00	0.20	2.50	0.10	7.25	0.50	21.76	1.50	250.00	9.84	-11.60	-0.80	3.64



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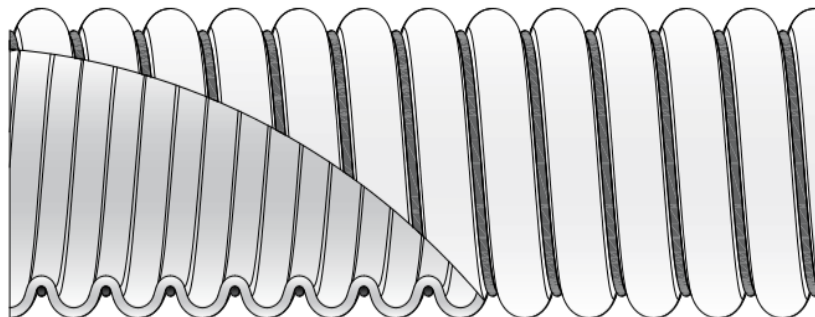


ConvoFlex Bare Tube SS Helix Wire

PART NUMBER	DESCRIPTION	ID NOMINAL		TOLERANCE		OD NOMINAL		TOLERANCE		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS		VACUUM RATING		WEIGHT
		mm	in	mm	in	mm	in	mm	in	mm	in	psi	bar	psi	bar	mm	in	psi	bar	
TCMF12-8CBTVW	1/2" ConvoFlex SS Helix Wire	13.10	0.52	0.75	0.03	17.90	0.70	0.75	0.03	0.89	0.04	58.02	4.00	174.05	12.00	25.00	0.98	-11.60	-0.80	0.16
TCMF16-0CBTVW	5/8" ConvoFlex SS Helix Wire	16.00	0.63	0.75	0.03	21.85	0.86	0.75	0.03	0.89	0.04	43.51	3.00	130.53	9.00	30.00	1.18	-11.60	-0.80	0.21
TCMF18-6CBTVW	3/4" ConvoFlex SS Helix Wire	19.00	0.75	1.00	0.04	26.40	1.04	1.00	0.04	1.00	0.04	43.51	3.00	130.53	9.00	50.00	1.97	-11.60	-0.80	0.50
TCMF24-8CBTVW	1" ConvoFlex SS Helix Wire	26.00	1.02	1.25	0.05	35.00	1.38	1.25	0.05	1.20	0.05	43.51	3.00	130.53	9.00	60.00	2.36	-11.60	-0.80	0.70
TCMF32-0CBTVW	1 1/4" ConvoFlex SS Helix Wire	32.00	1.26	1.25	0.05	41.00	1.61	1.25	0.05	1.20	0.05	36.26	2.50	108.78	7.50	80.00	3.15	-11.60	-0.80	0.68
TCMF35-5CBTVW	1 1/2" ConvoFlex SS Helix Wire	36.50	1.44	1.25	0.05	45.00	1.77	1.25	0.05	1.60	0.06	36.26	2.50	108.78	7.50	100.00	3.94	-11.60	-0.80	0.89
TCMF45-0CBTVW	1 3/4" ConvoFlex SS Helix Wire	44.00	1.73	1.75	0.07	55.00	2.17	1.75	0.07	1.60	0.06	36.26	2.50	108.78	7.50	120.00	4.72	-11.60	-0.80	1.12
TCMF47-5CBTVW	2" ConvoFlex SS Helix Wire	48.50	1.91	2.00	0.08	59.50	2.34	2.00	0.08	1.60	0.06	29.01	2.00	87.02	6.00	125.00	4.92	-11.60	-0.80	1.15
TCMF65-0CCBTW	2 1/2" ConvoFlex SS Helix Wire	61.00	2.40	2.50	0.10	76.25	3.00	2.50	0.10	1.60	0.06	21.76	1.50	65.27	4.50	175.00	6.89	-11.60	-0.80	1.38
TCMF80-0CBTVW	3" ConvoFlex SS Helix Wire	74.00	2.91	3.00	0.12	92.00	3.62	3.00	0.12	1.50	0.06	18.85	1.30	56.56	3.90	200.00	7.87	-11.60	-0.80	1.55
TCMF100-0CBTVW	4" ConvoFlex SS Helix Wire	100.00	3.94	4.00	0.16	125.00	4.92	4.00	0.16	2.50	0.10	14.50	1.00	43.51	3.00	225.00	8.86	-11.60	-0.80	3.11
TCMF150-0CBTVW	6" ConvoFlex SS Helix Wire	150.00	5.91	5.00	0.20	180.00	7.09	5.00	0.20	2.50	0.10	7.25	0.50	21.76	1.50	250.00	9.84	-11.60	-0.80	4.11

ConvoFlex Bare Tube conductive SS Helix Wire

PART NUMBER	DESCRIPTION	ID NOMINAL		TOLERANCE		OD NOMINAL		TOLERANCE		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS		VACUUM RATING		WEIGHT
		mm	in	mm	in	mm	in	mm	in	mm	in	psi	bar	psi	bar	mm	in	psi	bar	
TCMF12-8CBTVW	1/2" ConvoFlex Cond. SS Helix Wire	13.10	0.52	0.75	0.03	17.90	0.70	0.75	0.03	0.89	0.04	58.02	4.00	174.05	12.00	25.00	0.98	-11.60	-0.80	0.16
TCMF16-0CBTVW	5/8" ConvoFlex Cond. SS Helix Wire	16.00	0.63	0.75	0.03	21.85	0.86	0.75	0.03	0.89	0.04	43.51	3.00	130.53	9.00	30.00	1.18	-11.60	-0.80	0.21
TCMF18-6CBTVW	3/4" ConvoFlex Cond. SS Helix Wire	19.00	0.75	1.00	0.04	26.40	1.04	1.00	0.04	1.00	0.04	43.51	3.00	130.53	9.00	50.00	1.97	-11.60	-0.80	0.50
TCMF24-8CBTVW	1" ConvoFlex Cond. SS Helix Wire	26.00	1.02	1.25	0.05	35.00	1.38	1.25	0.05	1.20	0.05	43.51	3.00	130.53	9.00	60.00	2.36	-11.60	-0.80	0.70
TCMF32-0CBTVW	1 1/4" ConvoFlex Cond. SS Helix Wire	32.00	1.26	1.25	0.05	41.00	1.61	1.25	0.05	1.20	0.05	36.26	2.50	108.78	7.50	80.00	3.15	-11.60	-0.80	0.68
TCMF35-5CBTVW	1 1/2" ConvoFlex Cond. SS Helix Wire	36.50	1.44	1.25	0.05	45.00	1.77	1.25	0.05	1.60	0.06	36.26	2.50	108.78	7.50	100.00	3.94	-11.60	-0.80	0.89
TCMF45-0CBTVW	1 3/4" ConvoFlex Cond. SS Helix Wire	44.00	1.73	1.75	0.07	55.00	2.17	1.75	0.07	1.60	0.06	36.26	2.50	108.78	7.50	120.00	4.72	-11.60	-0.80	1.12
TCMF47-5CBTVW	2" ConvoFlex Cond. SS Helix Wire	48.50	1.91	2.00	0.08	59.50	2.34	2.00	0.08	1.60	0.06	29.01	2.00	87.02	6.00	125.00	4.92	-11.60	-0.80	1.15
TCMF65-0CCBTW	2 1/2" ConvoFlex Cond. SS Helix Wire	61.00	2.40	2.50	0.10	76.25	3.00	2.50	0.10	1.60	0.06	21.76	1.50	65.27	4.50	175.00	6.89	-11.60	-0.80	1.38
TCMF80-0CBTVW	3" ConvoFlex Cond. SS Helix Wire	74.00	2.91	3.00	0.12	92.00	3.62	3.00	0.12	1.50	0.06	18.85	1.30	56.56	3.90	200.00	7.87	-11.60	-0.80	1.55
TCMF100-0CBTVW	4" ConvoFlex Cond. SS Helix Wire	100.00	3.94	4.00	0.16	125.00	4.92	4.00	0.16	2.50	0.10	14.50	1.00	43.51	3.00	225.00	8.86	-11.60	-0.80	3.11
TCMF150-0CBTVW	6" ConvoFlex Cond. SS Helix Wire	150.00	5.91	5.00	0.20	180.00	7.09	5.00	0.20	2.50	0.10	7.25	0.50	21.76	1.50	250.00	9.84	-11.60	-0.80	4.11



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