

Corroline+[®]

PTFE hose for chemical and process fluid transfer

FEATURES AND BENEFITS

- Very flexible and reinforced to withstand the most severe conditions of physical abuse
- Fully kink and crush resistant
- Anti-static and fireproof rubber cover
- Smooth bore for fast flow and easy clean
- Natural or anti-static PTFE liner
- PTFE lined and non-lined end fittings
- Range of external protection options



TECHNICAL SPECIFICATION

Size range	
Hose bore size range	½" (13mm) up to 3" (80mm)
Hose lengths	
up to 2" (50mm)	up to 30m (100ft)
up to 2½" (65mm)	up to 18m (59ft)
up to 3" (80mm)	up to 15m (49ft)
Temperature limits	
Temperature limits	from -40C (-40F) up to +150C (+302F) continuous
Working pressure ratings	
½" (13mm)	69bar (1,000psi)
up to	
3" (80mm)	15bar (218psi)
Vacuum limitations	
Vacuum resistant to	-0.9bar for all sizes up to +150C (+302F)
Approvals (both natural and anti-static)	
ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2015, EN16643:2016, ATEX, FDA (materials), Fireproof to BS5173 section 103.13 part 6.2 and 6.3, 3.1 Traceability, (EU) 10/2011,	

OPTIONS AND ACCESSORIES

Liner options	
Liner available in;	General purpose (GP) natural PTFE or Anti-static PTFE (AS)
End fitting options	
Non-lined, or PTFE lined and flared design for;	ANSI 150, DIN and JIS swivel flange, Cam and Groove, dip pipes
Non-lined design for;	Sanitary Triclamp, BSP, NPT and JIC threaded fittings, DIN 11851, RJT and SMS hygienic fittings
External cover	
External cover	Fireproof and anti-static black EPDM rubber
Labelling and external protection options	
Standard labelling	Laser etched ferrule for ultimate traceability
Colour coding	Coloured PTFE spiral strip wound on to the hose - left loose or encapsulated under transparent heat-shrunk polyolefin sleeve
External protection options	Safeguard, protection coil and DBK-300 double rubber cover end protection which when applied renders a hose assembly 'fireproof' by protecting the end fitting area against the effects of fire
Alternative design options	
If braided only, different colour rubber covers, or PTFE lined and flared end fittings for the other fitting designs are required, it may be possible to match those requirements with the Bioflex Ultra product - consult Aflex Hose for details	

PERFORMANCE DATA

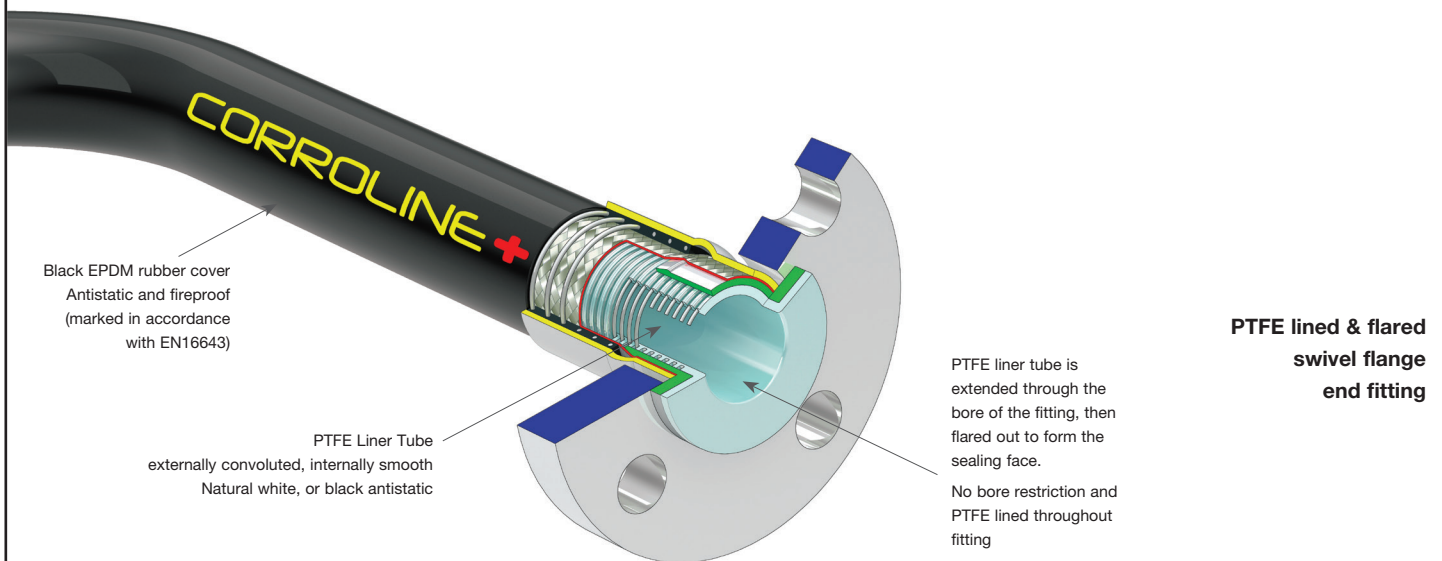
Nominal hose bore size		Actual hose bore size		Outside diameter		Maximum working pressure		Minimum bend radius		**Maximum continuous lengths		Weight per unit length	
in	mm	in	mm	in	mm	psi	bar	in	mm	ft	m	kg/mtr	lb/ft
1/2 *	13	0.51	13.1	0.85	21.5	1,000	69	1 3/8	38	100	30	0.40	0.27
3/4 *	20	0.76	19.3	1.12	28.5	624	43	2	50	100	30	0.70	0.47
1	25	1.01	25.7	1.45	37.0	600	41	2 3/4	70	100	30	1.10	0.74
1 1/4	32	1.26	32.2	1.75	44.6	550	38	3 5/16	100	100	30	1.60	1.07
1 1/2	40	1.51	38.5	2.03	51.7	500	34	4 3/4	120	100	30	1.92	1.29
2	50	2.01	51.1	2.55	65.0	400	28	5 15/16	150	100	30	2.80	1.88
2 1/2	65	2.51	63.7	3.17	80.5	290	20	11 13/16	300	59	18	3.98	2.67
3	80	3.02	76.8	3.65	92.8	218	15	13 3/4	350	49	15	4.42	2.97

* The 1/2" and 3/4" size hoses do not include the helical wire embedded in the rubber

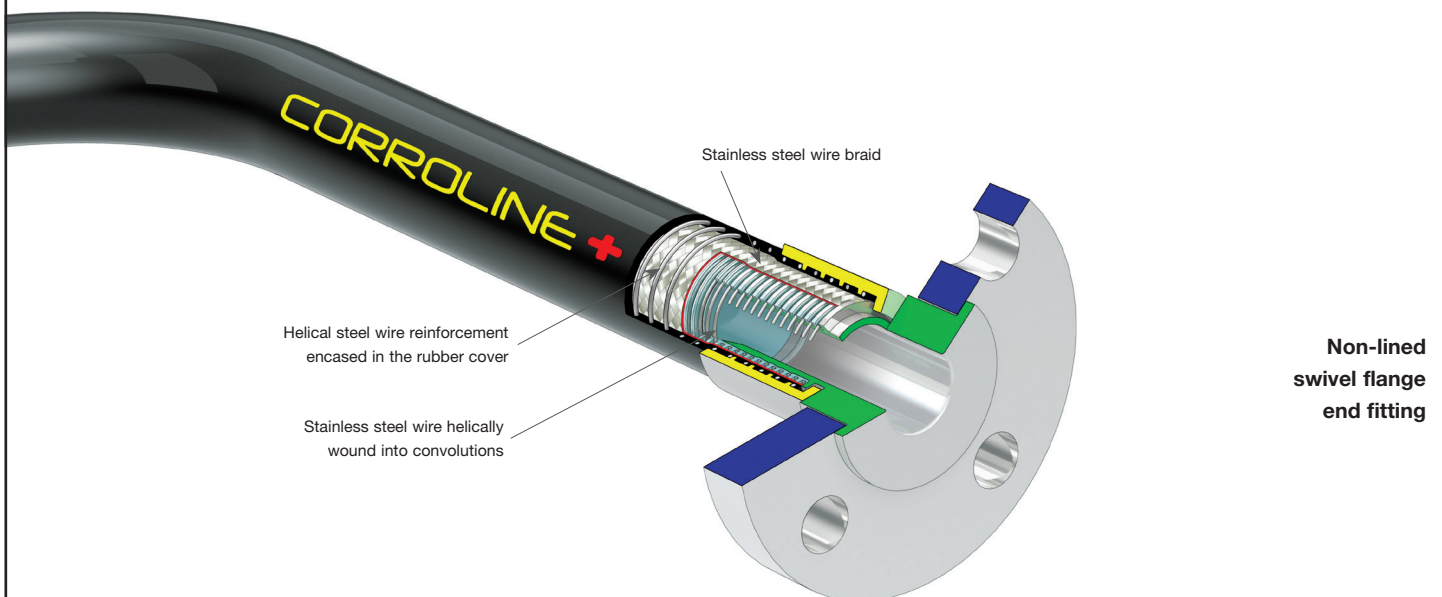
** Longer lengths may be available, to special order

MATERIALS OF CONSTRUCTION

Corroline+ PTFE hose assembly



Corroline+ PTFE hose assembly



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