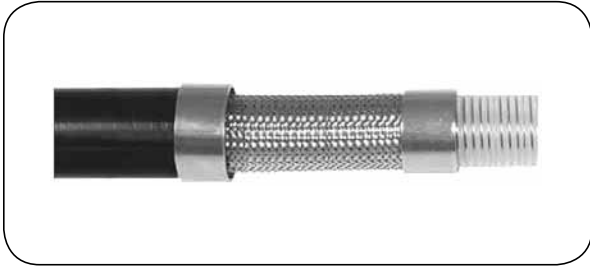


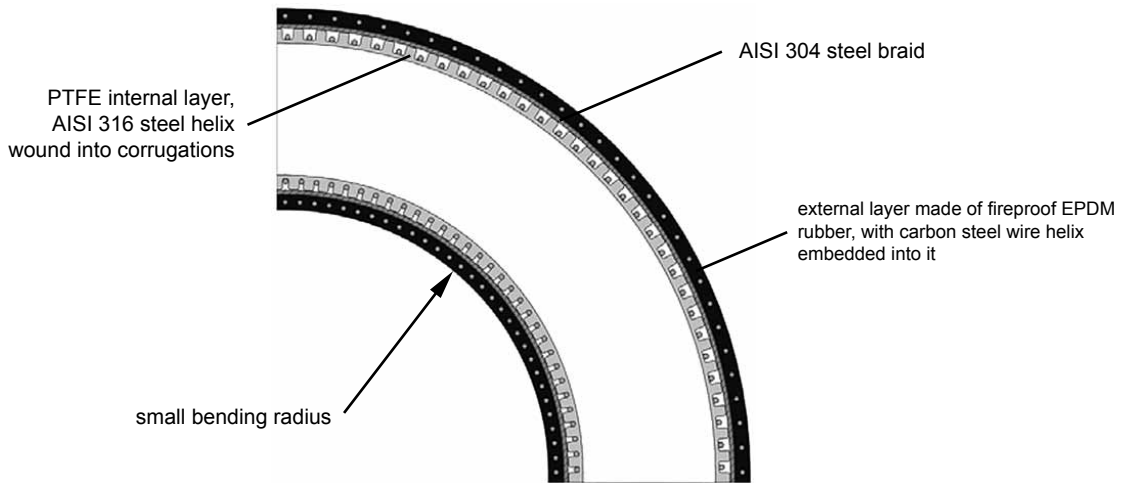
# INDUSTRIAL HOSES - chemical



## CORROLINE PLUS

- Internal layer:** Smooth inside, corrugated outside PTFE (teflon), antistatic
- Reinforcement:** Steel wire helix (AISI 316), AISI 304 steel braid
- External layer:** Black, smooth, antistatic, fireproof EPDM rubber with carbon steel wire embedded into it
- Working temp.:** From -40°C up to +140°C

Suction-delivery PTFE hose designed to transfer all kinds of chemicals, also very aggressive, fuels, oils, paints, solvents, adhesives, colourants, detergents. Intended for the most demanding applications that require a perfectly flexible hose with a minimum bending radius, highly resistant to cyclic bending as well as kinking, with extended service life. CORROLINE PLUS was developed as an alternative to classic rubber hoses made of FEP, PFA, MFA, XLPE or UHMWPE linings. Compared to these hoses, CORROLINE PLUS is more flexible, more resistant to kinking and its service life is much longer. The hose features excellent resistance to cyclic bending (up to 100 000 cycles), maximum flow rates and low permeability of gases. Supplied as complete hose assemblies with standard or PTFE lined (flared) fittings. Meets the requirements of EN 12115 standard.



The hose is made of smooth inside and corrugated outside PTFE. It is reinforced with AISI 316 steel wire helix wound into the external tube corrugations and with an external AISI 304 stainless steel braid. The construction combines properties of smoothbore hoses (ease of cleaning, uninterrupted flow), high flexibility and excellent kink resistance.

code	nominal diameter [inch]	nominal diameter [mm]	flow diameter [mm]	O.D. [mm]	working pressure [bar]	bending radius [mm]	weight [kg/m]	maximum length [m]
AF-CLPSS-015AS-RC-BK	1/2	15 (13)	13	21.5	69	35	0.40	30
AF-CLPSS-020AS-RC-BK	3/4	20	19.4	28.5	69	50	0.70	30
AF-CLPSS-025AS-RC-BK	1	25	25.7	37	41	70	1.10	30
AF-CLPSS-032AS-RC-BK	1.1/4	32	32.0	44.6	38	100	1.60	30
AF-CLPSS-040AS-RC-BK	1.1/2	40	38.5	51.7	34	120	1.92	30
AF-CLPSS-050AS-RC-BK	2	50	51	65	28	150	2.80	30

Optionally available with a non-antistatic tube (of natural PTFE), a code example: AF-CLPSS-025 RC-BK. Safety factor 4:1. The working pressure of the hose assembly is limited by the working pressure of the fittings used. Resistant to full vacuum up to +140°C.


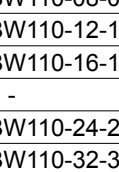

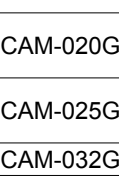
# INDUSTRIAL HOSES - chemical

## Fittings for CORROLINE PLUS hoses

CORROLINE PLUS is assembled with DC type (DIRECT CRIMP) fittings as a standard. Besides, special fittings for PTFE hoses assembled with AF-BFXT3 ferrules or flared fittings (internal PTFE layer is extended through the fitting and flared out as the sealing face) can be used. DIP PIPES tube fittings intended for filling up or suction of fluids from containers are also available.


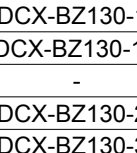

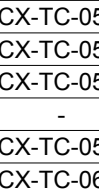
### DC (DIRECT CRIMP) standard fittings for CORROLINE PLUS hose

Fitting material: AISI 316 steel, ferrule material: AISI 304 steel.

fitting type	BSP female, 60° cone		BSP male, flat seal*		BSPT male		swivel flange** (insert)		
									
hose DN		code		code		code		code	
[inch]	[mm]								
1/2	15	AF-DCX-BW110-08-08	AF-DCX-BZ140-08-08	AF-DCX-BZ130-08-08	-		-		
3/4	20	AF-DCX-BW110-12-12	AF-DCX-BZ140-12-12	AF-DCX-BZ130-12-12	AF-DCX-SFL-20W		AF-DCX-SFL-25W		
1	25	AF-DCX-BW110-16-16	AF-DCX-BZ140-16-16	AF-DCX-BZ130-16-16	-		-		
1.1/4	32	-	AF-DCX-BZ140-20-20	-	-		-		
1.1/2	40	AF-DCX-BW110-24-24	AF-DCX-BZ140-24-24	AF-DCX-BZ130-24-24	AF-DCX-SFL-40W		AF-DCX-SFL-50W		
2	50	AF-DCX-BW110-32-32	AF-DCX-BZ140-32-32	AF-DCX-BZ130-32-32	-		-		

\* when BSP male thread flat seal fittings are used, different types of couplings can be optionally connected e.g. TW, CAMLOCK, dry disconnect couplings.

\*\* to assemble a swivel flange fitting, a flange of a proper size must be first selected (AF-CFXSFL...K)..

fitting type	CAMLOCK C (SAFLOK)		CAMLOCK A		TRICLOVER		ferrule		
									
hose DN		code		code		code		code	
[inch]	[mm]								
1/2	15	-		-		AF-DCX-TC-025-09-13	AF-DC-015		AF-DC-015
						AF-DCX-TC-050-09-13			
3/4	20	AF-DCX-CAM-020G	AF-DCX-CAM-020W	AF-DCX-TC-025-16-19	AF-DC-020		AF-DC-020		
				AF-DCX-TC-050-16-16					
1	25	AF-DCX-CAM-025G	AF-DCX-CAM-025W	AF-DCX-TC-050-22-25	AF-DC-025		AF-DC-025		
				AF-DCX-TC-050-35-25					
1.1/4	32	AF-DCX-CAM-032G	-	-	AF-DC-032		AF-DC-032		
1.1/2	40	AF-DCX-CAM-040G	AF-DCX-CAM-040W	AF-DCX-TC-050-35-40	AF-DC-040		AF-DC-040		
				AF-DCX-TC-064-48-40					
2	50	AF-DCX-CAM-050G	AF-DCX-CAM-050W	AF-DCX-TC-064-48-50	AF-DC-050		AF-DC-050		

## INDUSTRIAL HOSES - chemical

### CORROLINE PLUS hose versions



#### **DBK 300 - double rubber cover**

Designed for applications where excessive bending of the hose assembly directly at the ferrule occurs. An additional layer of 300 mm long rubber is vulcanized on the rubber cover of the hose. DRC-300 version meets the fire resistance requirements of BS5173 standard.



#### **SG - protection polyethylene spiral**

A lightweight polyethylene spiral applied to provide additional protection. Prevents external abrasion. The working temperature ranges from -40°C up to +100°C.



#### **PC - protection steel helix**

An external wire to provide additional protection against abrasion.



#### **EC - electrical continuity between end fittings**

Resistance between end fittings for all versions of CORROLINE hoses is  $<20 \Omega$ . It also applies to PB version but only if the special procedures were followed during assembly.

According to EN ISO 8031:2009 standard, these hoses can be marked with the letter "M". If electrical continuity is required, EC version should be ordered.