



**KONGSBERG**  
AUTOMOTIVE

**UltiFlex®**  
FLUID TRANSFER SYSTEMS



## PROPERTIES

APPLICATION	<b>FOR ANY INDUSTRY – PHARMACEUTICAL, BIO-TECH, FOOD &amp; BEVERAGE, CHEMICAL, PETRO-CHEMICAL, GENERAL PURPOSE INDUSTRIAL, AUTOMOTIVE OE &amp; AUTOSPORT</b>
DESIGN	<b>1/2" – 2" PATENTED MANUFACTURE OF SMOOTHBORE, CONVOLUTED PTFE HOSE CONSTRUCTION</b>
INNER LAYER	<b>FDA APPROVED VIRGIN OR ANTI-STATIC PTFE TUBE</b>
OUTER LAYER	<b>1/2" – 2" 304SS BRAID</b>
TEMPERATURE MIN/MAX	<b>-60°C TO +260°C (-76°F TO +500°F)</b>
MATERIAL	<b>PTFE ACCORDING TO: "ASTM D4895, TYPE 1, GRADE 4, CLASS B"</b>
CERTIFICATION	<b>IN COMPLIANCE; FDA, EU FOOD, USP CLASS VI, ANTI-STATIC (AS), EN;16643 &amp; MATERIAL CERTIFICATION</b>

## PRODUCT DESCRIPTION

UltiFlex® – Ultra-flexible, smoothbore PTFE hose range. When space is an issue, but a smoothbore is a must for an uninterrupted flow and ease of cleaning. Also for arduous applications where strength and resilience coupled with PTFE's unique qualities are required. Bespoke UltiFlex® PTFE hose assemblies are available directly from KA with non-lined or lined (Tafted / Flared) end fittings to improve cleanliness, remove or reduce bug traps and improve the ability to clean in place (CIP) & Sterilize in Place (SIP).



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**YOUR FLEXIBLE PTFE HOSE PARTNER // WWW.KAHOSE.COM**



## UltiFlex®

PART NUMBER	DESCRIPTION	ID NOMINAL		OD NOMINAL		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS		FORCE TO BEND		WEIGHT	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)	(kg)	(lbs)	(kg/m)	(lb/ft)
SBC12-0B01	1/2" Ultiflex®	13,40	0,53	18,00	0,71	1,60	0,06	870	60,00	3481	240	38	1,50	5,00	11,00	0,26	0,18
SBC20-0B01	3/4" Ultiflex®	19,10	0,75	24,10	0,95	1,80	0,07	870	60,00	3481	240	50	1,97	5,00	11,00	0,42	0,28
SBC22-0B01	7/8" Ultiflex®	21,00	0,83	27,00	1,06	2,10	0,08	798	55,00	3191	220	55	2,17	6,50	11,00	0,50	0,34
SBC25-0B01	1" Ultiflex®	25,50	1,00	31,40	1,24	2,20	0,09	725	50,00	2901	200	70	2,76	7,00	11,00	0,64	0,43
SBC32-0B01	1 1/4" Ultiflex®	31,80	1,25	39,30	1,55	2,65	0,10	653	45,00	2611	180	100	3,94	8,50	11,00	0,90	0,60
SBC40-0B01	1 1/2" Ultiflex®	38,10	1,50	46,10	1,81	3,00	0,12	580	40,00	2321	160	140	5,51	13,50	11,00	1,18	0,79
SBC50-0B01	2" Ultiflex®	49,50	1,95	58,20	2,29	3,00	0,12	435	30,00	1740	120	280	11,02	20,00	44,00	1,72	1,15

## UltiFlex® Conductive

PART NUMBER	DESCRIPTION	ID NOMINAL		OD NOMINAL		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS		FORCE TO BEND		WEIGHT	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)	(kg)	(lbs)	(kg/m)	(lb/ft)
SBCF12-0B01	1/2" Ultiflex® AS	13,40	0,53	18,00	0,71	1,60	0,06	870	60,00	3481	240	38	1,50	5,00	11	0,26	0,18
SBCF20-0B01	3/4" Ultiflex® AS	19,10	0,75	24,10	0,95	1,80	0,07	870	60,00	3481	240	50	1,97	5,00	11	0,42	0,28
SBCF22-0B01	7/8" Ultiflex® AS	21,00	0,83	27,00	1,06	2,10	0,08	798	55,00	3191	220	55	2,17	6,50	14	0,50	0,34
SBCF25-0B01	1" Ultiflex® AS	25,50	1,00	31,40	1,24	2,20	0,09	725	50,00	2901	200	70	2,76	7,00	15	0,64	0,43
SBCF32-0B01	1 1/4" Ultiflex® AS	31,80	1,25	39,30	1,55	2,65	0,10	653	45,00	2611	180	100	3,94	8,50	19	0,90	0,60
SBCF40-0B01	1 1/2" Ultiflex® AS	38,10	1,50	46,10	1,81	3,00	0,12	580	40,00	2321	160	140	5,51	13,50	30	1,18	0,79
SBCF50-0B01	2" UltiFlex® AS	49,50	1,95	58,20	2,29	3,00	0,12	435	30,00	1740	120	280	11,02	20,00	44	1,72	1,15

