

Conduit Fittings: Flexible Coupling, DFC Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

DFC flexible couplings are used in conduit systems for Zone 1, Zone 2, and Zone 21, Zone 22 hazardous areas to:

- isolate the conduit from vibration or movement of connected equipment, and
- accomplish difficult bends in place of rigid conduit.

Specification

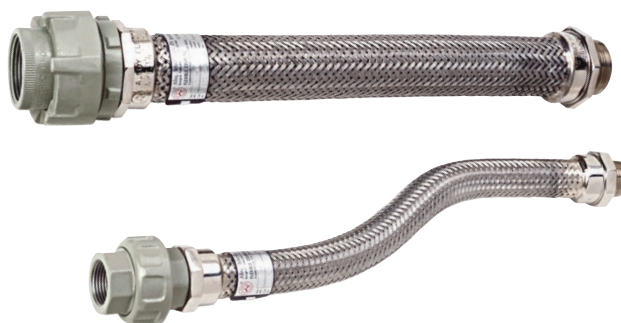
Inner flexible tube	: Stainless steel, SS 304
Outer wire braid	: Stainless steel, SS 304
Male threaded fitting	: Nickel-plated brass

Technical Data

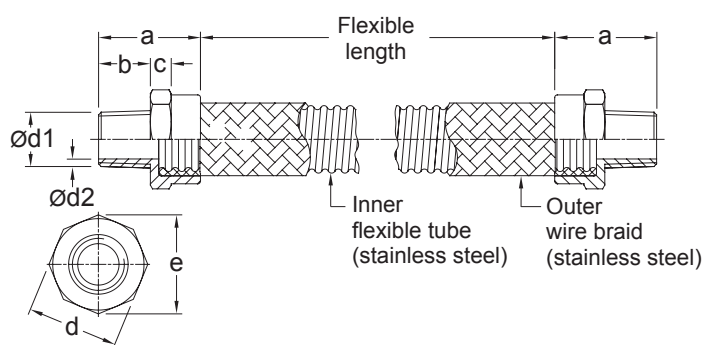
Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex db IIC Gb	Ex tb IIIC Db
Certificate	TÜV CY 16 ATEX 0205741U	
T Rating	Temperature class of enclosure to which will be connected.	
Conformity to Standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-31	
Ambient Temperature	-20°C to +75°C	
Index of Protection	IP65	

Related Products

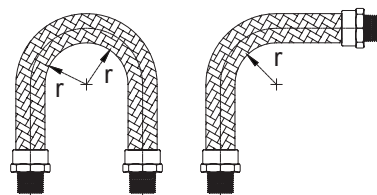
The conduit union is certified according to ATEX standard under certificate number TÜV CY 16 ATEX 0205741U.



Ordering Requirements and Dimensions



Bend radius



Cat. No.				Entry threads (Male) 'Ød1'	Dimensions in mm						Bend radius minimum (r)
300 mm flexible length	600 mm flexible length	900 mm flexible length	1,200 mm flexible length		Ød2	a	b	c	d	e	
DFC-130	DFC-160	DFC-190	DFC-1120	1/2" NPT	15.0	41.35	19.85	8.0	35.0	38.0	50
DFC-230	DFC-260	DFC-290	DFC-2120	3/4" NPT	20.0	41.65	20.15	8.0	37.0	40.0	50
DFC-330	DFC-360	DFC-390	DFC-3120	1" NPT	26.0	50.0	25.0	8.0	42.0	46.0	80
DFC-430	DFC-460	DFC-490	DFC-4120	1-1/4" NPT	35.0	50.61	25.61	8.0	56.0	61.0	90
DFC-530	DFC-560	DFC-590	DFC-5120	1-1/2" NPT	40.0	51.04	26.04	8.0	60.0	65.0	110
DFC-630	DFC-660	DFC-690	DFC-6120	2" NPT	52.0	51.87	26.87	8.0	75.0	81.0	170
–	DFC-760	DFC-790	DFC-7120	2-1/2" NPT	62.0	85.90	39.90	11.0	107.0	115.0	200
–	DFC-860	DFC-890	DFC-8120	3" NPT	77.0	87.49	41.49	11.0	125.0	135.0	225
–	DFC-960	DFC-990	DFC-9120	3-1/2" NPT	88.0	93.76	42.76	11.0	165.0	178.0	225
–	DFC-1060	DFC-1090	DFC-10120	4" NPT	102.0	95.03	44.03	11.0	175.0	185.0	280