

Conduit Fitting: Flexible Coupling, DFC Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

The DFC flexible couplings are used in a conduit system for zone 1, 2 and zone 21, 22 hazardous areas to

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

Specification

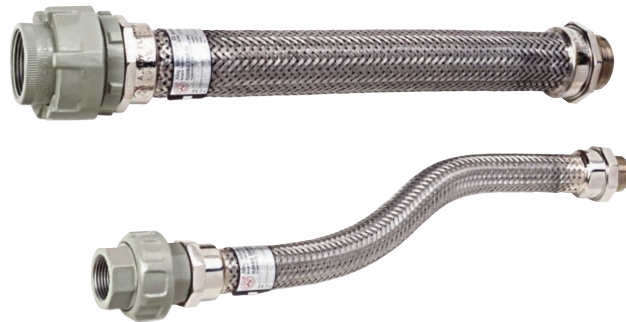
Inner flexible tube : Stainless steel, SUS 304
 Outer wire braid : Stainless steel, SUS 304
 Male threaded fitting : Nickel-plated brass

Option

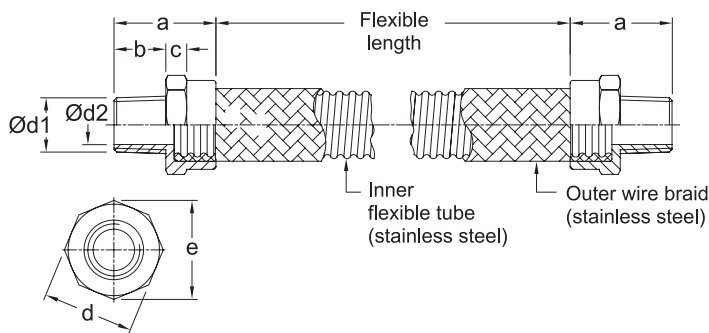
- with union (DUN series)

Technical Data

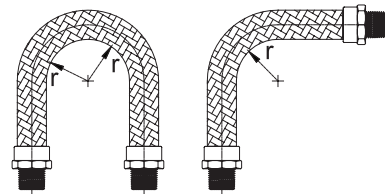
Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	⊕ II 2G	⊕ II 2D
Symbol of Protection	Ex db IIC Gb	Ex tb IIIC Db
Certificate No.	TÜV CY 16 ATEX 0205741U	
T Rating	Temperature class of enclosure to which will be connected.	
Conformity to Standards	EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-31:2014	
Ambient Temperature	-20°C to +75°C	
Index of Protection	IP65	



Ordering Requirements and Dimension



Bend radius



Cat. No.				Entries Thread (Male) 'Ød1'	Dimension in mm.						Bend Radius Minimum (r)
300mm. Flexible length	600mm. Flexible length	900mm. Flexible length	1,200mm. 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

