

ANACONDA MULTIFLEX conduit type U.I.

U.I.: Mechanically strong and extra flexibility for robotics

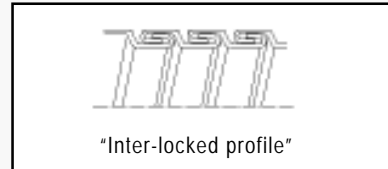
The U.I. conduit is fully inter-locked and therefore extremely compression and impact resistant. Type U.I is very well suited for applications where next to flexibility also mechanical protection and excellent heat and corrosion resistance are required. This explains why U.I. is being used so much in heavy robotics but also in the steel and aluminium foundry industry, machine and apparatus building, offshore, security, metal-, glass- and ceramics-industry.



Construction : Stainless steel (AISI 304), fully inter-locked.

Temperature : -100°C to +600°C.

Colour : Metal coloured.



Trade size U.I.	Inch	5/16"	3/8"	1/2"	3/4"	1"	1 1/4"	2"
Fittings	ISO	M16/M20	M16/M20	M20	M25	M32	M40	M63
	PG	9/11	11/13,5	16	21	29	36	48

Inside diameter	mm	9,5	13,0	17,0	22,0	26,0	34,0	52,0
Outside diameter	mm	12,5	16,0	21,0	26,0	30,0	39,0	58,0
Bending radius	static mm	50	65	75	90	120	175	285
(centerline)	dynamic mm	60	80	100	125	160	220	340
Standard carton	m	30	30	30	30	30	30	30
Article No.		512.010.0	512.012.0	512.016.0	512.022.0	512.025.0	512.034.0	512.050.0

Multiflex type U.I.	Value	Description
EN 50086 Classification		
Compression resistance	5	Very heavy (4000 N)
Impact resistance	4	Heavy (6 J)
Minimum temperature	5+	-100°C
Maximum temperature	7+	+600°C
Bending resistance	4	Flexible
Electrical properties	0	None declared
Resistance to ingress of solid foreign objects (I)	4	Protected for particles Ø > 1,0 mm
Resistance to ingress of water (P)	0	None declared
Corrosion resistance inside / outside	4	High / High
Tensile strength	4	Heavy (1000 N)
Resistance to flame propagation	1	Non-flame propagating
Suspended load capacity	0	None declared

Special remarks:

* All sizes are stock items, for larger volumes please note a delivery time of 4 till 6 weeks.



The suitable fittings for Multiflex type U.I. are mentioned on pages 18 till 21.