

Technical Data Sheet

ROHRflex-PA 6-CU

ROHRflex corrugated plastic tubings

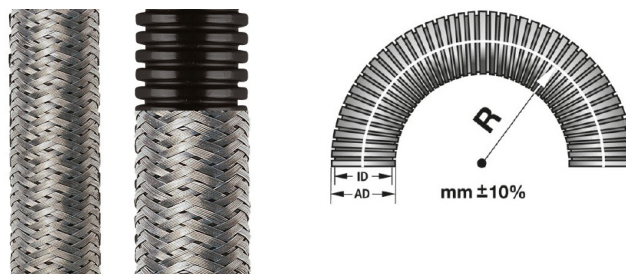
Protective all-plastic tubing, internally and externally corrugated, CU wire braiding, for emc applications

Temperature: -40°C ... +120°C ^ +150°C
-40°F ... +248°F ^ +302°F

Material: PA 6 plastics | tinned CU

Characteristics:

- Air and liquid tight
- Oil resistant up to 80C
- Benzine resistant
- Widely resistant to acids and solvents
- Free of silicone, cadmium, halogen
- Flame retardant
- Shielding factor up to 80 dB frequency range up to 30 MHz



Applications:

- Machine and plant constructions, automotive, automation, emc applications



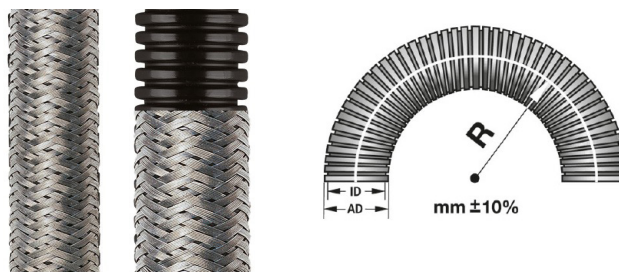
Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression	N	>125	EN 61386-23
Resistance to impact (-45C)	J	>2	EN 61386-23
Resistance to bending		flexible	EN 61386-23
Resistance to reversed bending (-5C)		5000	EN 61386-23
Average reversed bending stress		>40,000	WN-1003
Flame characteristics			
Free of halogen and phosphor		yes	DIN 53474
Flame class		V2	UL 94
Resistance to flame propagation		non flame propagating	EN 61386-23
Light emitting filament check	C	850	EN 60695-2-1/0
Railway EN 45545-2			
Oxygen index	%	34	ISO 4589-2
Specific characteristics			
Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases		excellent	
Ingress protection			
Assembled with FLEXAquick		IP 68/69K	IEC 60529

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Part Number	Color	Trade Size mm in	Profile	ID mm in	OD mm in	BR Stat. mm in	BR Dyn. mm in	Weight kg/m lb/ft	Std Pack m ft
0461.702.010	Silver	13.0 5/16	Fine	10.0 0.39	14.0 0.55	20 0.79	45 1.77	0.13 0.09	50 164
0461.702.012	Silver	15.8 3/8	Fine	12.5 0.49	16.8 0.66	35 1.38	55 2.17	0.18 0.12	50 164
0461.702.016	Silver	21.2 1/2	Fine	16.5 0.65	22.2 0.87	45 1.77	75 2.95	0.25 0.17	50 164
0461.702.029	Silver	34.5 1	Fine	29.0 1.14	35.5 1.40	65 2.56	120 4.72	0.49 0.33	25 82
0461.702.036	Silver	42.5 1 1/4	Fine	36.0 1.42	43.5 1.71	90 3.54	150 5.91	0.59 0.40	25 82
0461.702.048	Silver	54.5 1 1/2	Fine	48.0 1.89	55.5 2.19	100 3.94	190 7.48	0.78 0.52	25 82

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