

Technical Data Sheet

ROHRflex-12-ESD

ROHRflex corrugated plastic tubings

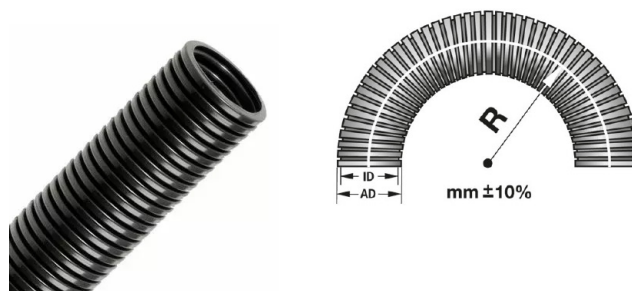
Protective all-plastic tubing, internally and externally corrugated, for heavy applications, EX area

Temperature: -50°C ... +100°C ^ +130°C
-58°F ... +212°F ^ +266°F

Material: PA 12 plastics

Characteristics:

- Air and liquid tight
- High alternate bending strength
- Improved insulation properties
- Oil and benzine resistant
- Widely resistant to acids and solvents
- Free of silicone, cadmium, halogen
- Excellent UV-resistance



Applications:

- Machine and plant constructions, automotive, railway industry, electrical installations, ex area



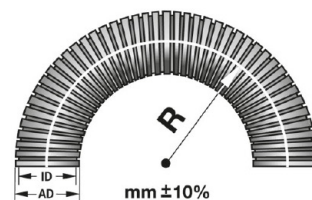
Characteristics	Unit	Value	Test
Electrical characteristics			
Specific surface resistivity	Ω	<10 ⁶	
Mechanical characteristics			
Resistance to bending		flexible	EN 61386-23
Resistance to compression	N	125	EN 61386-23
Resistance to impact (-45°C)	J	1	EN 61386-23
Resistance to reverse bending		5,000	EN 61386-23
Average reversed bending stress		>2,000,000	WIN-1003
Flame characteristics			
Free of halogen and phosphor		yes	DIN 53
Resistance to flame propagation		non flame propagating	EN 61386-23
Specific characteristics			
Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases		excellent	
Weathering performance			
UV-resistance	Std.	1,000	ASTM G155, Cycle 1
System test			
Pull-out resistance with FLEXAquick	N	100	EN 61386-23
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
0259.202.006	Black	10.0 1/4	Fine	6.5 0.26	10.0 0.39	13 0.51	35 1.38	0.020 0.01	50 164
0259.202.010	Black	13.0 5/16	Fine	10.0 0.39	13.0 0.51	15 0.59	45 1.77	0.025 0.02	50 164
0259.202.012	Black	15.8 3/8	Fine	12.0 0.47	15.8 0.62	22 0.87	55 2.17	0.030 0.02	50 164
0259.202.014	Black	18.5 7/16	Fine	14.3 0.56	18.5 0.73	27 1.06	65 2.56	0.050 0.03	50 164
0259.202.016	Black	21.2 1/2	Fine	16.5 0.65	21.2 0.83	45 1.77	75 2.95	0.075 0.05	50 164
0259.202.023	Black	28.5 3/4	Fine	23.0 0.91	28.5 1.12	55 2.17	100 3.94	0.108 0.07	50 164
0259.202.029	Black	34.5 1	Fine	29.0 1.14	34.5 1.36	65 2.56	120 4.72	0.132 0.09	25 82
0259.202.036	Black	42.5 1 1/4	Fine	36.0 1.42	42.5 1.67	90 3.54	150 5.91	0.145 0.10	25 82

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