SYNFLEX INDUSTRIES LLP

TECHNICAL DATASHEET

PE Flexible Conduit Pipe

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PE flexible conduit pipe — flexible polyethylene conduit for machine tools and industrial machinery applications. IP68, UL94 V-0/V2/HB, resistant to acid, sea water and ammonia. Product codes PE-10 to PE-70.

Technical specifications

Material	Polyethylene (PE)
Colours	Black, Grey
Temperature range	-15 to +80 °C
Short-term temperature	Up to +105 °C
Flammability class	UL 94 V-0 / V2 / HB
Self-extinguishing	Yes
Impact strength	High impact strength
Abrasion resistance	High
UV resistance	Available / UV-resistant conduit on request
Chemical resistance	Acid, sea water, ammonia, etc.
Tensile / impact strength	520 / 15 kg/sq.cm
Flexural strength	5000
Protection class	IP68

Sizes and ordering

Product code	NW	ID (mm)	OD (mm)	Bend radius (mm)	PPQ (m)
PE-10	10	9.5	13.0	20	100
PE-12	12	11.2	15.8	35	100
PE-17	17	15.8	21.2	45	50
PE-23	23	22.5	28.5	55	50
PE-29	29	27.5	34.5	65	50
PE-36	36	35.5	42.4	75	30
PE-48	48	47.0	54.4	90	30
PE-70	70	67.5	80.0	105	10

Ordering and documentation

Quote the product code, quantity and delivery location when ordering. Dimensions are nominal; confirm suitability under the actual installation conditions. Drawings, applicable test reports and RoHS/REACH declarations are available on request. Current details: www.synflexindustriesllp.com/product-pe-conduit.html