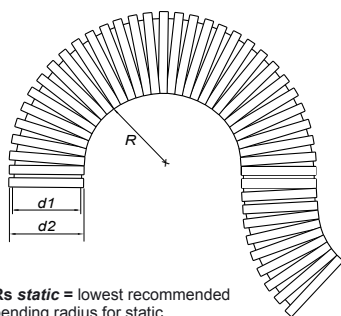


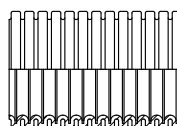
PME has excellent mechanical and flexibility characteristics and is designed for any installation with medium to high flexibility requirements. This versatile conduit / tubing is recommended for a wide variety of applications and uses including General Machine, Marine Engines, Hospital and Dental Equipment, Solar Panel Arrays, and Mechanical Wire & Cable Protection solutions.



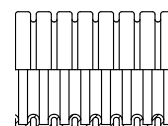
- High-grade, specially formulated polyamide 6
- Halogens and cadmium free
- Good weather and UV resistance
- Good mechanical strength (compression / impact)
- Self-extinguishing
- Good temperature resistance
- Temperature range: -40°C(-40°F) to 105°C(221°F)
- Short-term to 160°C(320°F)



Rs static = lowest recommended bending radius for static (fixed) installation.



Fine Profile F
Tight bend radius

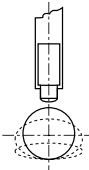
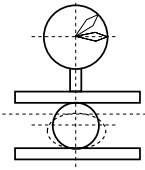
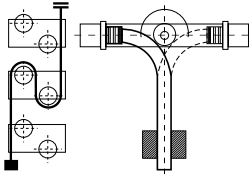
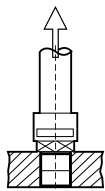


Coarse Profile C
High pull-out strength

Specifications are subject to change without notice

PME

Order No.	Conduit Size		Trade Size		d1		d2		Rs Static		PU	
	NW	mm	in	mm	in	mm	in	mm	in	m	ft	
PME-FK07.50	7	10	1/4	6.2	0.24	10.0	0.39	15.0	0.59	50	164.0	
PME-FK10.50	10	12	5/16	9.6	0.38	13.0	0.51	20.0	0.79	50	164.0	
PME-FK12.50	12	16	3/8	12.0	0.47	15.8	0.62	30.0	1.18	50	164.0	
PME-FK17.50	17	20	1/2	16.2	0.64	21.2	0.83	40.0	1.57	50	164.0	
PME-FK23.50	23	25	3/4	22.6	0.89	28.5	1.12	45.0	1.77	50	164.0	
PME-FK29.50	29	32	1	29.0	1.14	34.5	1.36	55.0	2.17	50	164.0	
PME-FK36.30	36	40	1-1/4	36.5	1.44	42.5	1.67	60.0	2.36	30	98.4	
PME-FK48.30	48	50	1-1/2	48.5	1.91	54.5	2.15	70.0	2.76	30	98.4	
PME-CK56.30	56	68	2	56.3	2.22	67.2	2.65	130.0	5.12	30	98.4	
PME-CK70.10	70	80	2-1/2-3	67.5	2.66	80.0	3.15	160.0	6.30	10	32.8	
PME-CK95.10	95	106	3-1/2-4	91.5	3.60	106.0	4.17	210.0	8.27	10	32.8	

MECHANICAL CHARACTERISTICS	STANDARD REFERENCE	METHOD OF TESTING	VALUES	UNIT			
Impact Strength	IEC EN 61386	The Conduit is impacted with a spherical object weighing 2 kg and having a 300 mm radius. The height of the drop is equal to 1.2 meters.		> 1/ [2] (-45°C)	J / Class		
				> 2/ [3] (-15°C)	J / Class		
				> 6/ [4] (23°C)	J / Class		
Compression Strength	20% / 2 min.	The Conduit is compressed with a 100 mm steel plate for a period of time, reducing the conduit diameter by 25%.		Compression Force	Under Load Deformation	Deformation Residual	N / Class
<i>Tested with conduit:</i>	Internal Method			≥ 130 N	2.4 mm	3%	N 50x50 mm
PME-FK12.50				≥ 160 N	5.8 mm	1%	N 50x50 mm
PME-FK29.50				≥ 100 N	9.6 mm	2%	N 50x50 mm
PME-FK48.30							
Fatigue Strength	23°C / 50% r.h.	The Conduit is continuously subjected to horizontal and vertical movements. The full movements are counted.		≥ 100,000.00	Cycles at 23°C		
	Internal Method						
Pull-Out Strength	23°C / 50% r.h.	The Conduit with the respective connector is subjected to increasing pull-out strength until test uncouples.		Pulling Force	Residual Elongation	N / Class	
<i>Tested with Grip Lock Fitting:</i>				≥ 190 N	2%		
IP68 K8-M-S-12P11 NW12				≥ 290 N	4%		
IP66 K6-M-S-17N02 NW17				≥ 490 N	4%		
IP68 K8-M-S-29P29 NW29				≥ 820 N	4%		
IP68 K8-M-S-48P48 NW48							
THERMAL CHARACTERISTICS		VALUES			UNIT		
Operating Temperature		-40°C to +105°C			Celsius		
Short Period of time		110°C	20,000 hours				
		140°C	168 hours				
FIRE CHARACTERISTICS		STANDARD REFERENCE		VALUES	UNIT		
Oxygen Index		EN ISO 4589-1		≥ 25	%		
Halogens Contents		DIN 53474		FREE			
Flame Class		UL94		HB			
Self-Extinguishing		IEC EN 61386		YES			
Glowing Flammability Index		EN 60695-2-10		850°C	Celsius		
WEATHERING RESISTANCE		STANDARD REFERENCE		VALUES			
Weathering UV/ Rain Cycle				GOOD			
UV Aging		ISO 4892 -2		≥ 2,000 hours			
CHEMICAL PROPERTIES				VALUES			
Resistance against fuel, mineral based oils, grease, alkalis & weak acids				GOOD			
ENVIRONMENTAL PROPERTIES		STANDARD REFERENCE		VALUES			
ROHS Compliant		EU Directive 2002 / 95 / EC		YES			
Recyclable				YES			