



## P-VW 90-M



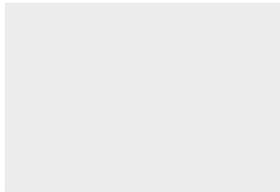
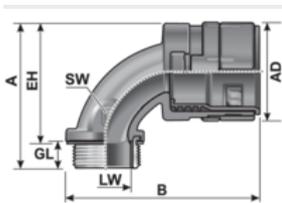
### Product information

The highly dense and cable-protecting M-PRO P-VW 90°-M conduit fitting with metal external thread at a 90° angle is used for the fast and secure connection of corrugated conduits. It has excellent chemical resistance and is also suitable for outdoor use due to its UV and weathering resistance.

Further advantages:

- Tool-free assembly / disassembly of corrugated conduits
- High packing density
- High tear-out strength
- Vibration, impact and shock resistant

### Information, conformities and approvals



Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	A mm	EH mm	AD mm	GL mm	LW mm	B mm	SW mm	PU pcs.
<b>Metric metal thread</b>													
P-VW/L 90 M12/07-M <sup>1)</sup>	83405252	Black	✓	M12x1,5	M10/P07	48	37	23.7	12	5.3	61.5	11	4
P-VW 90 M12/09-M <sup>1)</sup>	83405253	Black	✓	M12x1,5	M12/P09	43.7	39.7	25	5	5.5	63.8	11	4
P-VW/L 90 M12/09-M	83405254	Black	✓	M12x1,5	M12/P09	50.7	39.7	25	12	5.5	63.8	11	4
P-VW 90 M16/09-M <sup>1)</sup>	83405255	Black	✓	M16x1,5	M12/P09	43.7	39.7	25	5	8.8	63.8	15	4
P-VW/L 90 M16/09-M <sup>1)</sup>	83405256	Black	✓	M16x1,5	M12/P09	50.7	39.7	28	12	8.8	63.8	15	4
P-VW 90 M16/11-M <sup>1)</sup>	83405257	Black	✓	M16x1,5	M16/P11	45.6	41.6	27.9	5	8.9	66	15	4
P-VW/L 90 M16/11-M	83405258	Black	✓	M16x1,5	M16/P11	52.6	41.6	27.9	12	8.9	66	15	4
P-VW 90 M20/11-M <sup>1)</sup>	83405259	Black	✓	M20x1,5	M16/P11	46.6	41.6	27.9	6	12.6	67.5	18	4
P-VW/L 90 M20/11-M <sup>1)</sup>	83405260	Black	✓	M20x1,5	M16/P11	52.6	41.6	27.9	12	12.6	67.5	18	4
P-VW 90 M20/16-M <sup>1)</sup>	83405262	Black	✓	M20x1,5	M20/P16	52.1	47.1	33.7	6	12.5	73.8	19	4
P-VW/L 90 M20/16-M	83405263	Black	✓	M20x1,5	M20/P16	58.1	47.1	33.7	12	12.5	73.8	19	4



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Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	A mm	EH mm	AD mm	GL mm	LW mm	B mm	SW mm	PU pcs.
P-VW 90 M25/16-M 1)	83405264	Black	✓	M25x1,5	M20/P16	53.1	47.6	33.7	7	17	77	24	4
P-VW/L 90 M25/16-M	83405265	Black	✓	M25x1,5	M20/P16	59.1	47.4	33.7	13	17	77	24	4
P-VW 90 M25/21-M 1)	83405267	Black	✓	M25x1,5	M25/P21	60.2	54.7	41.6	7	17	84.1	24	4
P-VW/L 90 M25/21-M	83405268	Black	✓	M25x1,5	M25/P21	66.2	54.4	41.6	13	17	84.1	24	4
P-VW 90 M32/21-M 1)	83405269	Black	✓	M32x1,5	M25/P21	61.2	54.7	41.6	8	23.5	87.8	32	2
P-VW/L 90 M32/21-M 1)	83405270	Black	✓	M32x1,5	M25/P21	67.2	54.4	41.6	14	23.5	87.8	32	2
P-VW 90 M32/29-M 1)	83405271	Black	✓	M32x1,5	M32/P29	70.4	63.9	51	8	23.2	100.4	30	2
P-VW/L 90 M32/29-M	83405272	Black	✓	M32x1,5	M32/P29	76.4	63.7	51	14	23.2	100.4	30	2
P-VW 90 M40/29-M 1)	83405273	Black	✓	M40x1,5	M32/P29	71.4	65.4	51	8	29.5	104.9	36	2
P-VW/L 90 M40/29-M 1)	83405274	Black	✓	M40x1,5	M32/P29	80.4	65.4	51	17	29.5	104.9	36	2
P-VW 90 M40/36-M 1)	83405275	Black	✓	M40x1,5	M40/P36	82	76	59.3	8	29.9	113.7	41	2
P-VW/L 90 M40/36-M	83405276	Black	✓	M40x1,5	M40/P36	91	76	59.3	17	29.9	113.7	41	2
P-VW 90 M50/36-M 1)	83405277	Black	✓	M50x1,5	M40/P36	83	76	59.3	9	38.4	118.7	50	2
P-VW/L 90 M50/36-M 1)	83405278	Black	✓	M50x1,5	M40/P36	91	76	59.3	17	38.4	118.7	50	2
P-VW 90 M50/48-M 1)	83405279	Black	✓	M50x1,5	M50/P48	96.3	89.3	71	9	38.8	128.8	50	2
P-VW/L 90 M50/48-M	83405280	Black	✓	M50x1,5	M50/P48	104.3	89.3	71	17	38.8	128.8	50	2
P-VW 90 M63/48-M 1)	83405281	Black	✓	M63x1,5	M50/P48	98.3	90.3	71	10	47.8	135.3	60	2
<b>PG metal threading</b>													
P-VW/L 90 PG09/09-M	83405653	Black	✓	PG 09	M12/P09	50.7	39.7	25	12	7.8	63.3	14	4
P-VW/L 90 PG11/11-M	83405657	Black	✓	PG 11	M16/P11	52.6	41.6	27.9	12	10.6	67.5	17	4
P-VW/L 90 PG16/16-M	83405663	Black	✓	PG 16	M20/P16	59.1	47.1	33.7	13	14.3	77	21	4
P-VW/L 90 PG21/21-M	83405666	Black	✓	PG 21	M25/P21	67.2	54.7	41.6	14	19.8	87.8	28	4
P-VW/L 90 PG29/29-M	83405668	Black	✓	PG 29	M32/P29	77.4	64.9	51	14	26.5	104.9	34	2



## P-VW 90-M

Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	A mm	EH mm	AD mm	GL mm	LW mm	B mm	SW mm	PU pcs.
P-VW/L 90 PG36/36-M	83405670	Black	✓	PG 36	M40/P36	91	76	59.3	17	36.2	118.7	46	2
P-VW/L 90 PG48/48-M	83405672	Black	✓	PG 48	M50/P48	105.3	90.3	71	17	47.1	135.3	60	2

1) No stock goods, delivery time and minimum order quantities upon request

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### Material properties



mod. polyamide PA 6  
Thermoplastic elastomer

### Thermal properties



Temperature / temperature range  
-50 °C - 120 °C / short term: 140 °C

### Protection class



Protection class  
IP54  
IP66  
IP66K  
IP67  
IP67M  
IP68 up to 6 bar (30 min)  
IP69K

### Fire properties



Fire classification  
acc. to UL94: V0 self-extinguishing



Fire properties as per EN 45545-2  
C.I.T. R22 / R23 HL3 :0.58 EN 17084  
LOI R22 / R23 HL3 :≥ 32 % ISO 4589-2  
Ds (max.) R22 / R23 HL3 :57 ISO 5659-2 (25 KW/m<sup>2</sup>)



Fire properties as per NFPA  
ASTM E 162  
ASTM E 1354  
ASTM E 662  
Boeing BSS 7239  
Boeing BSS 7242  
Bombardier SMP 800-C



## P-VW 90-M

### Chemical resistances



Resistant to:

Alcohol  
Greases  
Fuels  
Lyes  
Mineral oils  
Weak acids

### Technical information



Halogen-free



Silicone-free



UV-resistant acc. to ISO 4892-2



Interior



exterior

### Conformity



RoHS (EC Directive 2011/65/EU)



Vibration, shock and impact tested



ECE 324 R 118

### Approvals and operating permits



EU railway approval



cURus approval

### Classification

ETIM 9: EC001176  
ECLASS 14: 27430312  
UNSPSC: 40183103

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