



Type KW 90° (conduit fitting)

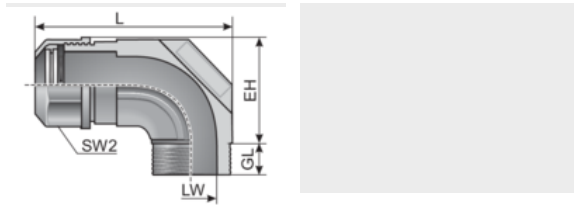


Product information

The angled KW 90° conduit fittings with plastic threading are made from specially modified polyamide. The materials are halogen, phosphor and cadmium-free. The KW 90° conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Tightness of IP 65 for static and dynamic application
- Integrated clamping ring ensures high tear-out strength
- Easy insertion of the cables through rounded inside bend

Information, conformities and approvals



Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	L mm	GL mm	LW mm	SW 2 mm	PU pcs.
KW M16x1,5/9	83565050	Black	✓	M16x1,5	M12/P09	27	47	7.5	9.5	22	50
KW M20x1,5/11	83565052	Black	✓	M20x1,5	M16/P11	29	51	8	13	24	50
KW M25x1,5/16	83565054	Black	✓	M25x1,5	M20/P16(S)	35	56	10	16	30	50
KW M32x1,5/21	83565056	Black	✓	M32x1,5	M25/P21(S)	41	67	12	22	38	25
KW M40x1,5/29	83565058	Black	✓	M40x1,5	M32/P29(S)	53	82	12	28	46	25
KW M16x1,5/9	83565010	Gray	✗	M16x1,5	M12/P09	27	47	7.5	9.5	22	50
KW M20x1,5/11	83565012	Gray	✗	M20x1,5	M16/P11	29	51	8	13	24	50
KW M25x1,5/16	83565014	Gray	✗	M25x1,5	M20/P16(S)	35	56	10	16	30	50
KW M32x1,5/21	83565016	Gray	✗	M32x1,5	M25/P21(S)	41	67	12	22	38	25
KW M40x1,5/29	83565018	Gray	✗	M40x1,5	M32/P29(S)	53	82	12	28	46	25
KW PG09	83561050	Black	✓	PG 09	M12/P09	27	45	7.5	9.5	22	50
KW PG11	83561052	Black	✓	PG 11	M16/P11	29	51	8	13	24	50
KW PG13/16	83561054	Black	✓	PG 13,5	M20/P16(S)	35	56	10	16	30	50



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KW PG16	83561056	Black	✓	PG 16	M20/P16(S)	35	56	10	16	30	50
KW PG21	83561058	Black	✓	PG 21	M25/P21(S)	41	67	11	22	38	25
KW PG29	83561060	Black	✓	PG 29	M32/P29(S)	53	82	12	29	46	25
KW PG09	83561010	Gray	✗	PG 09	M12/P09	27	45	7.5	9.5	22	50
KW PG11	83561012	Gray	✗	PG 11	M16/P11	29	51	8	13	24	50
KW PG13/16	83561014	Gray	✗	PG 13,5	M20/P16(S)	35	56	10	16	30	50
KW PG16	83561016	Gray	✗	PG 16	M20/P16(S)	35	56	10	16	30	50
KW PG21	83561018	Gray	✗	PG 21	M25/P21(S)	41	67	11	22	38	25
KW PG29	83561020	Gray	✗	PG 29	M32/P29(S)	53	82	12	29	46	25
KW 3/8"/11	83561451	Black	✓	3/8"	M16/P11	29	51	8	13	24	50
KW 1/2"/16	83561450	Black	✓	1/2"	M20/P16(S)	35	56	10	16	30	50
KW 3/4"/21	83561452	Black	✓	3/4"	M25/P21(S)	41	67	11	21	38	25
KW 1"/29	83561454	Black	✓	1"	M32/P29(S)	53	82	12	27	46	25
KW 3/8"/11	83561411	Gray	✗	3/8"	M16/P11	29	51	8	13	24	50
KW 1/2"/16	83561410	Gray	✗	1/2"	M20/P16(S)	35	56	10	16	30	50
KW 3/4"/21	83561412	Gray	✗	3/4"	M25/P21(S)	41	67	11	21	38	25
KW 1"/29	83561414	Gray	✗	1"	M32/P29(S)	53	82	12	27	46	25

Material properties



Fitting: mod. polyamide PA 6
Clamping ring Polyoxymethylene (POM) mod. polyamide PA 6
Polyoxymethylene (POM)

Thermal properties



Temperature / temperature range
-40 °C - 110 °C / short term: 140 °C



Type KW 90° (conduit fitting)

Protection class



Protection class

IP65

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 NF X 70-100-1/-2 600°C (1112 °F)

LOI R22 / R23 HL3 :≥ 32 % ISO 4589-2

Ds (max.) R22 / R23 HL3 :57 ISO 5659-2 (25 KW/m²)



Fire properties as per NFPA

ASTM E 162

ASTM E 1354

ASTM E 662

Boeing BSS 7239

Boeing BSS 7242

Bombardier SMP 800-C

Chemical resistances



Resistant to:

Alcohol

Greases

Fuels

Mineral oils

Technical information



Halogen-free

Conformity



RoHS (EC Directive 2011/65/EU)

Approvals and operating permits



EU railway approval



cURus approval



Type KW 90° (conduit fitting)

Classification

ETIM 9: EC001176
ECLASS 14: 27430312

General information



Made in Germany