





### 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	$\checkmark$	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





Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	Lmm	GL mm	LW mm	SW 2 mm	PU pcs.
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  $^{\circ}\text{C}$  – 110  $^{\circ}\text{C}$  / short term: 140  $^{\circ}\text{C}$ 





### Protection class



Protection classIP65

## **Fire properties**



NFPA 130

Fire classificationacc. to UL94: V0 self-extinguishing

Fire properties as per EN 45545-2C.I.T. R22 / R23 HL3 :0,58 NF X 70-100-1/-2 600°C 8 (1112 °F) 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 NFPAASTM E 162 ASTM E 1354 ASTM E 662 Boeing BSS 7239 Boeing BSS 7242 Bombardier SMP 800-C

### **Chemical resistances**

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Resistant to:Alcohol Greases Fuels Mineral oils

### **Technical information**



RoHS

Halogen-free

### Conformity

RoHS (EC Directive 2011/65/EU)

### Approvals and operating permits



EU railway approval



cURus approval



### Classification



ETIM 9: EC001176 ECLASS 14: 27430312

### **General information**







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