



Lightflex, PA6, Automotive Light

Halogen free, non-flammable, heat-stable and UV resistant. An ADR approved standard conduit with good flexibility that gives a very good protection for electrical wiring against moisture, dirt and mechanical damage. The material is also resistant to oils, grease, solvents and fuels of various kinds. For the automotive industry, machine and apparatus construction as well as workshops.

Fire resistance according to UL94: HB

Oil resistant: Yes

Lengthwise slotted: No

Closable (two-part): No

With draw wire: No

High conducting inner coating: No

Degree of protection (IP): IP66

Colour: Black

Material: Polyamide 6

UV resistant: Yes

Halogen free: Yes

Compressive strength: 300 N

Operating temperature: -40-120 °C

Approvals: ADR, Vd TÜV/GGVS

Stock code	Product Description
LIGHTFLEX 4.5	CORRUGATED CONDUIT, PA6, BLACK NW4.5, ID=4.5mm, OD=7.5mm
LIGHTFLEX 7.5	CORRUGATED CONDUIT, PA6, BLACK NW7.5, ID=6.7mm, OD=10.2mm
LIGHTFLEX 8.5	CORRUGATED CONDUIT, PA6, BLACK NW8.5, ID=8.4mm, OD=11.7mm
LIGHTFLEX 10	CORRUGATED CONDUIT, PA6, BLACK NW10, ID=9.9mm, OD=13.0mm
LIGHTFLEX 12	CORRUGATED CONDUIT, PA6, BLACK NW12, ID=12.2mm, OD=15.7mm
LIGHTFLEX 13	CORRUGATED CONDUIT, PA6, BLACK NW13, ID=12.7mm, OD=15.8mm
LIGHTFLEX 16	CORRUGATED CONDUIT, PA6, BLACK NW16, ID=16.4mm, OD=21.0mm
LIGHTFLEX 17	CORRUGATED CONDUIT, PA6, BLACK NW17, ID=16.6mm, OD=21.2mm
LIGHTFLEX 19	CORRUGATED CONDUIT, PA6, BLACK NW19, ID=19.2mm, OD=23.9mm
LIGHTFLEX 22	CORRUGATED CONDUIT, PA6, BLACK NW22, ID=21.3mm, OD=25.4mm
LIGHTFLEX 23	CORRUGATED CONDUIT, PA6, BLACK NW23, ID=23.2mm, OD=28.3mm
LIGHTFLEX 26	CORRUGATED CONDUIT, PA6, BLACK NW26, ID=26.1mm, OD=31.2mm
LIGHTFLEX 29	CORRUGATED CONDUIT, PA6, BLACK NW29, ID=29.0mm, OD=34.5mm
LIGHTFLEX 36	CORRUGATED CONDUIT, PA6, BLACK NW36, ID=36.0mm, OD=42.4mm
LIGHTFLEX 48	SKYDSSLANG, PA6, SVART, NW48, ID=47.7mm, YD=54.5mm

DIMENSIONS

Stock code	Product Description	Nominal diameter	Inner diameter	Outer diameter	Bending radius, static	Bending radius, dynamic	Unit
LIGHTFLEX 4.5	CORRUGATED CONDUIT, PA6, BLACK NW4.5, ID=4.5mm, OD=7.5mm	4.5 mm	4.5 mm	7.5 mm	10 mm	10 mm	m
LIGHTFLEX 7.5	CORRUGATED CONDUIT, PA6, BLACK NW7.5, ID=6.7mm, OD=10.2mm	7.5 mm	6.7 mm	10.2 mm	15 mm	15 mm	m
LIGHTFLEX 8.5	CORRUGATED CONDUIT, PA6, BLACK NW8.5, ID=8.4mm, OD=11.7mm	8.5 mm	8.4 mm	11.7 mm	15 mm	15 mm	m
LIGHTFLEX 10	CORRUGATED CONDUIT, PA6, BLACK NW10, ID=9.9mm, OD=13.0mm	10 mm	9.9 mm	13 mm	20 mm	20 mm	m
LIGHTFLEX 12	CORRUGATED CONDUIT, PA6, BLACK NW12, ID=12.2mm, OD=15.7mm	12 mm	12.2 mm	15.7 mm	30 mm	30 mm	m
LIGHTFLEX 13	CORRUGATED CONDUIT, PA6, BLACK NW13, ID=12.7mm, OD=15.8mm	13 mm	12.7 mm	15.8 mm	35 mm	35 mm	m
LIGHTFLEX 16	CORRUGATED CONDUIT, PA6, BLACK NW16, ID=16.4mm, OD=21.0mm	16 mm	16.4 mm	21 mm	45 mm	45 mm	m
LIGHTFLEX 17	CORRUGATED CONDUIT, PA6, BLACK NW17, ID=16.6mm, OD=21.2mm	17 mm	16.6 mm	21.2 mm	45 mm	45 mm	m
LIGHTFLEX 19	CORRUGATED CONDUIT, PA6, BLACK NW19, ID=19.2mm, OD=23.9mm	19 mm	19.2 mm	23.9 mm	50 mm	50 mm	m
LIGHTFLEX 22	CORRUGATED CONDUIT, PA6, BLACK NW22, ID=21.3mm, OD=25.4mm	22 mm	21.3 mm	25.4 mm	50 mm	50 mm	m
LIGHTFLEX 23	CORRUGATED CONDUIT, PA6, BLACK NW23, ID=23.2mm, OD=28.3mm	23 mm	23.2 mm	28.3 mm	55 mm	55 mm	m
LIGHTFLEX 26	CORRUGATED CONDUIT, PA6, BLACK NW26, ID=26.1mm, OD=31.2mm	26 mm	26.1 mm	31.2 mm	60 mm	60 mm	m
LIGHTFLEX 29	CORRUGATED CONDUIT, PA6, BLACK NW29, ID=29.0mm, OD=34.5mm	29 mm	29 mm	34.5 mm	65 mm	65 mm	m
LIGHTFLEX 36	CORRUGATED CONDUIT, PA6, BLACK NW36, ID=36.0mm, OD=42.4mm	36 mm	36 mm	42.4 mm	70 mm	70 mm	m
LIGHTFLEX 48	SKYDDSSLANG, PA6, SVART, NW48, ID=47.7mm, YD=54.5mm	48 mm	47.7 mm	54.5 mm	90 mm	90 mm	m

TECHNICAL PROPERTIES

Stock code	Compressive strength	Fire resistance according to UL94	Oil resistant	Lengthwise slotted	Closable (two-part)	With draw wire	High conducting inner coating	Degree of protection (IP)	Colour	Operating temp.	Material	UV resistant	Halogen free
LIGHTFLEX 4.5	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 7.5	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 8.5	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 10	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 12	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 13	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 16	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 17	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 19	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 22	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 23	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 26	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 29	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 36	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 48	300 N	HB	Yes	No	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes