



Lightflex slotted, PA6, Automotive Light

Slotted, halogen free, non-flammable, heat-stable and UV resistant. A 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, V2

Oil resistant: Yes

Lengthwise slotted: Yes

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: Vd TÜV/GGVS

Stock code	Product Description
LIGHTFLEX 4.5S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW4.5, ID=4.5mm, OD=7.5mm
LIGHTFLEX 7.5S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW7.5, ID=6.7mm, OD=10.2mm
LIGHTFLEX 8.5S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW8.5, ID=8.4mm, OD=11.7mm
LIGHTFLEX 10S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW10, ID=9.9mm, OD=13.0mm
LIGHTFLEX 12S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW12, ID=12.2mm, OD=15.7mm
LIGHTFLEX 13S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW13, ID=12.7mm, OD=15.8mm
LIGHTFLEX 16S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW16, ID=16.4mm, OD=21.0mm
LIGHTFLEX 17S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW17, ID=16.6mm, OD=21.2mm
LIGHTFLEX 19S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW19, ID=19.2mm, OD=23.9mm
LIGHTFLEX 22S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW22, ID=21.3mm, OD=25.4mm
LIGHTFLEX 23S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW23, ID=23.2mm, OD=28.3mm
LIGHTFLEX 29S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW29, ID=29.0mm, OD=34.5mm
LIGHTFLEX 36S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW36, ID=36.0mm, OD=42.4mm
LIGHTFLEX 48S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED 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 4.5S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW4.5, ID=4.5mm, OD=7.5mm	4.5 mm	4.5 mm	7.5 mm	10 mm	10 mm	m
LIGHTFLEX 7.5S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW7.5, ID=6.7mm, OD=10.2mm	7.5 mm	6.7 mm	10.2 mm	15 mm	15 mm	m
LIGHTFLEX 8.5S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW8.5, ID=8.4mm, OD=11.7mm	8.5 mm	8.4 mm	11.7 mm	15 mm	15 mm	m
LIGHTFLEX 10S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW10, ID=9.9mm, OD=13.0mm	10 mm	9.9 mm	13 mm	20 mm	20 mm	m
LIGHTFLEX 12S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW12, ID=12.2mm, OD=15.7mm	12 mm	12.2 mm	15.7 mm	30 mm	30 mm	m
LIGHTFLEX 13S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW13, ID=12.7mm, OD=15.8mm	13 mm	12.7 mm	15.8 mm	35 mm	35 mm	m
LIGHTFLEX 16S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW16, ID=16.4mm, OD=21.0mm	16 mm	16.4 mm	21 mm	45 mm	45 mm	m
LIGHTFLEX 17S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW17, ID=16.6mm, OD=21.2mm	17 mm	16.6 mm	21.2 mm	45 mm	45 mm	m
LIGHTFLEX 19S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW19, ID=19.2mm, OD=23.9mm	19 mm	19.2 mm	23.9 mm	50 mm	50 mm	m
LIGHTFLEX 22S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW22, ID=21.3mm, OD=25.4mm	22 mm	21.3 mm	25.4 mm	50 mm	50 mm	m
LIGHTFLEX 23S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW23, ID=23.2mm, OD=28.3mm	23 mm	23.2 mm	28.3 mm	55 mm	55 mm	m
LIGHTFLEX 29S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW29, ID=29.0mm, OD=34.5mm	29 mm	29 mm	34.5 mm	65 mm	65 mm	m
LIGHTFLEX 36S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW36, ID=36.0mm, OD=42.4mm	36 mm	36 mm	42.4 mm	70 mm	70 mm	m
LIGHTFLEX 48S	CORRUGATED CONDUIT, PA6, BLACK SLOTTED NW48, ID=47.7mm, YD=54.5mm	48 mm	48 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 4.5S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 7.5S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 8.5S	300 N	HB, V2	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 10S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 12S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 13S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 16S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 17S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 19S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 22S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 23S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 29S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 36S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes
LIGHTFLEX 48S	300 N	HB	Yes	Yes	No	No	No	IP66	Black	-40-120 °C	Polyamide 6	Yes	Yes