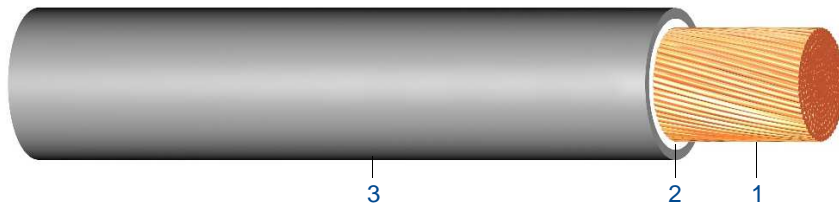


# Power cable

Halogen-free, flame retardant



**Construction:**

- 1. Conductor: Stranded, annealed copper wire class 5 IEC 60228.
- 2. Insulation: Flame retardant polyolefin.
- 3. Sheath: Flame retardant, polyolefin. Example of marking: "NKT TFL103105/08 S1Z1Z1 2 AWG (35 mm<sup>2</sup>) max 600 V 90°C DRY (UL) E194163 TCOPC"

**Application:**

Halogen free, flame retardant cable for connection of batteries, power distribution or grounding. UL listed. Indoor use.

**Properties:**

Rated voltage	Max 600 V	Fire classification	IEC 60332-3-24 (Cat C) UL 1685, Vertical Tray
Minimum operating temperature	-20°C (-40°C when fixed)	Fulfils low voltage directive, CE	Yes
Maximum operating temperature	+90°C	Fulfils RoHS	Yes
Minimum bending radius	5 x Outer diameter	Fulfils REACH	Yes

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**Technical data:**

No. of cores and cross-section mm <sup>2</sup>	Outer diameter mm	Cable weight kg/km	Effective resistance of conductor Ω/km	Sheath color	Part number
1 x 25 (4AWG)	10.5	280	0.78	Black	TFL103104/00
1 x 25 (4AWG)	10.5	280	0.78	Grey	TFL103104/08
1 x 35 (2AWG)	11.0	360	0.55	Black	TFL103105/00
1 x 35 (2AWG)	11.0	360	0.55	Grey	TFL103105/08
1 x 50 (1AWG)	13.0	510	0.39	Black	TFL103106/00
1 x 50 (1AWG)	13.0	510	0.39	Grey	TFL103106/08
1 x 70 (2/0AWG)	15.2	710	0.27	Black	TFL103107/00
1 x 70 (2/0AWG)	15.2	710	0.27	Grey	TFL103107/08
1 x 95 (3/0AWG)	17.5	920	0.21	Black	TFL103108/00
1 x 95 (3/0AWG)	17.5	920	0.21	Grey	TFL103108/08
1 x 150 (250kcmil)	21.5	1440	0.13	Black	TFL103110/00
1 x 150 (250kcmil)	21.5	1440	0.13	Grey	TFL103110/08

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