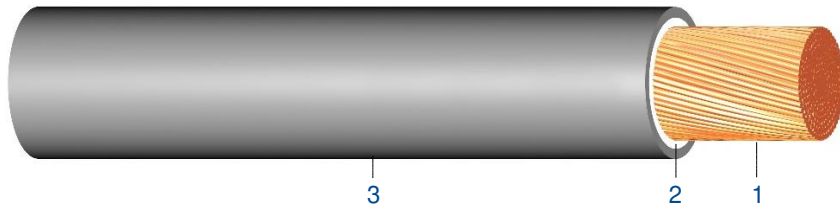


S1Z1Z1



# 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 B2ca"

### Application:

Halogen free, flame retardant cable for connection of batteries, power distribution or grounding. CPR and UL listed. Grey version is for indoor use. Black version is Sunlight resistant per UL 1581 sec 1200 for both indoor and outdoor use.

### Properties:

Rated voltage	Max 600 V	Fire classification	IEC 60332-3-24 (Cat C) UL 1685, Vertical Tray CPR Class B2 <sub>ca</sub>
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

**Technical data:**

No. of cores and cross-section mm <sup>2</sup>	Outer diameter mm	Cable weight kg/km	Effective resistance of conductor $\Omega$ /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
1 x 240 (500kcmil)*	25.3	2310	0.08	Black	TFL103112/00

\*Not UL Listed

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Influence on the environment. The product does not have any negative influence on the environment.