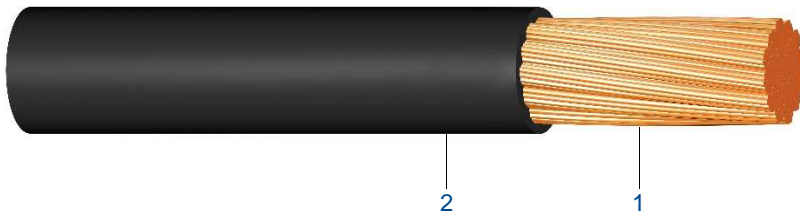


# Power cable

Halogen-free, flame retardant



**Construction:**

1. Conductor: Stranded, annealed copper wire class 5 IEC 60228. Tinned wire up to 6 mm<sup>2</sup>, from 10 mm<sup>2</sup> bare copper.

2. Sheath: Flame retardant polyolefin. Example of marking: "NKT TFL104508/00 50 mm<sup>2</sup> (UL) AWM 10900 VW-1"

**Application:**

Halogen free, flame retardant cable for internal cabinet wiring and grounding of equipment. Sunlight resistant per UL 1581 sec 1200, not for direct burial. CPR and UL listed. Indoor and outdoor use.

**Properties:**

Rated voltage	Max 600 V	Fire classification	IEC 60332-3-24 (Cat C) UL 1685, Vertical Tray UL 1581 VW-1 CPR Class D <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 Ω/km	Sheath color	Part number
1 x 2.5 (14AWG)	3.5	31	8.21	Black	TFL104503/00
1 x 4 (12AWG)	4.3	46	5.09	Black	TFL104504/00
1 x 6 (10AWG)	4.7	64	3.39	Black	TFL104505/00
1 x 6 (10AWG)	4.7	64	3.39	Grey	TFL104505/08
1 x 10 (8AWG)	5.8	111	1.91	Black	TFL104506/00
1 x 10 (8AWG)	5.8	111	1.91	Grey	TFL104506/08
1 x 16 (6AWG)	7.8	173	1.21	Black	TFL104507/00
1 x 16 (6AWG)	7.8	173	1.21	Grey	TFL104507/08
1 x 16 (6AWG)	7.8	173	1.21	Yellow/Green	TFL104507/45
1 x 25 (4AWG)	9.6	270	0.780	Black	TFL104508/00
1 x 25 (4AWG)	9.6	270	0.780	Grey	TFL104508/08
1 x 25 (4AWG)	9.6	270	0.780	Yellow/Green	TFL104508/45
1 x 35 (2AWG)	10.4	350	0.554	Black	TFL104509/00
1 x 35 (2AWG)	10.4	350	0.554	Grey	TFL104509/08
1 x 35 (2AWG)	10.4	350	0.554	Yellow/Green	TFL104509/45
1 x 50 (1AWG)	12.7	490	0.386	Black	TFL104510/00
1 x 50 (1AWG)	12.7	490	0.386	Grey	TFL104510/08
1 x 50 (1AWG)	12.7	490	0.386	Yellow/Green	TFL104510/45
1 x 70 (2/0AWG)	14.2	660	0.272	Black	TFL104511/00
1 x 70 (2/0AWG)	14.2	660	0.272	Grey	TFL104511/08

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