

# Power cable

Halogen-free, flame retardant



**Construction:**

- 1. Conductor: Stranded, annealed copper wires class 5 IEC 60228.
- 2. Insulation: Flame retardant polyolefin. Color identification: grey and black.
- 3. Shield: AL/PET tape with annealed aluminum wires. Max resistance 5.09 Ω/km.
- 4. Sheath: Flame retardant, black polyolefin. Sunlight resistant. Example of marking: "NKT TFL492324/0 2x10 AWG (2x6 mm<sup>2</sup>) Max 600 V 90C DRY CT Use (UL) E194163 TCOPC Sun Res"

**Application:**

Halogen free, flame retardant and shielded cable for power supply to radio and other telecom equipment. Sunlight resistant per UL 1581 sec 1200, not for direct burial. UL listed. Indoor and outdoor 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	Inductance μH/m	Part number
2 x 2.5 (2x14AWG)	7.7	91	7.98	0.6	TFL492322/0
2 x 4 (2x12AWG)	8.6	124	4.95	0.6	TFL492323/0
2 x 6 (2x10AWG)	9.4	160	3.30	0.6	TFL492324/0
2 x 10 (2x8AWG)	10.7	237	1.91	0.6	TFL492325/0
2 x 16 (2x6AWG)	12.5	346	1.21	0.6	TFL492326/0

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