

# Power cable

Halogen-free, flame retardant



### Construction:

- 1. Conductor: Stranded, annealed copper wires class 5 IEC 60228.
- 2. Insulation: Flame retardant polyolefin.  
Printed digits for conductor identification: 1, 2, 3, 4, 5, 6.
- 3. Shield: AL/PET tape with tin-plated, annealed copper wires.
- 4. Sheath: Flame retardant black polyolefin. Sunlight resistant.  
Example of marking: "NKT RQRQ 6x10mm<sup>2</sup> Max 600V 90C Sun Res"

### Application:

Halogen free, flame retardant and shielded cable with multiple conductors to power supply several radio units and other telecom equipment. Sunlight resistant per UL 1581 sec 1200, not for direct burial. 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	6 x Outer diameter (4 x OD when fixed)	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 and shield Ω/km	Inductance μH/m	Part number
6 x 6	15.8	500	3.30	0.6	TFL4980606
6 x 10	19.5	820	1.91	0.6	TFL4980610
6 x 16	22.8	1200	1.21	0.6	TFL4980616

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