

Power cable

Aluminum, halogen-free, flame retardant



Construction:

- 1. Conductor: Solid, annealed aluminum wire class 1 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 TJL492324/CU 2x10 AWG (2x8 mm²) Max 600 V 90C DRY CT Use Sun Res"

Application:

Halogen free, flame retardant and shielded aluminum cable for power supply to radio and other telecom equipment. Sunlight resistant. Indoor and outdoor use. *Note. Make sure connection terminals are compatible with aluminum conductors.*

Properties:

Rated voltage	Max 600 V	Fire classification	IEC 60332-3-24 (Cat C)
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	8 x Outer diameter (4 x OD when fixed)	Fulfils REACH	Yes

Technical data:

No. of cores and cross-section mm ²	Outer diameter mm	Cable weight kg/km	Effective resistance of conductor Ω/km	Inductance μH/m	Part number
2 x 4 Al	8.0	76	8.21	0.6	TJL492322
2 x 2.5 Cu	7.9	107	8.21	0.6	TFL492322
2 x 6 Al	8.8	93	5.09	0.6	TJL492323
2 x 4 Cu	7.8	121	5.09	0.6	TFL492323
2 x 10 Al	9.7	113	3.39	0.6	TJL492324
2 x 6 Cu	9.3	167	3.39	0.6	TFL492324
2 x 16 Al	11.2	157	1.95	0.6	TJL492325
2 x 10 Cu	10.9	248	1.95	0.6	TFL492325
2 x 25 Al	13.3	230	1.24	0.6	TJL492326
2 x 16 Cu	13.0	349	1.24	0.6	TFL492326

*Equivalent cable with copper conductors for comparison

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