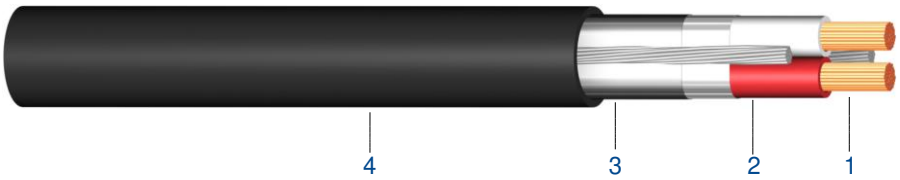
RQAQ Dual-core

# Power cable

## Halogen-free, flame retardant




### Construction:

1. Conductor: Stranded, annealed copper wires class 5 IEC 60228.
2. Insulation: Flame retardant polyolefin. Color identification: red and white.
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 RQAQ 2x10 $mm^2$ Max 600 V 90C DRY Sun Res B2ca”

### 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. CPR class B2ca. Indoor and outdoor use. Robust design with increased jacket.

### Properties:

| | |
|---|---|
| Rated voltage | Max 600 V |
| Minimum operating temperature | -20°C (-40°C when fixed) |
| Maximum operating temperature | +90°C |
| Minimum bending radius | 5 x Outer diameter |

| | |
|---|---|
| Fire classification | CPR Class $B2_{ca}$ s1, d2, a1 |
| Fulfils low voltage directive, CE | Yes |
| Fulfils RoHS | Yes |
| Fulfils REACH | Yes |

## Technical data:

| No. of cores and cross-section $mm^2$ | Nom. outer diameter mm +/-10% | Cable weight kg/km | Effective resistance of conductor Ω/km | Conductor colors | Part number |
|---|---|---|---|---|---|
| RQAQ 2 x 6 | 9.8 | 170 | 3.30 | Red & White | RQAQ 2x6 |
| RQAQ 2 x 10 | 11.6 | 258 | 1.91 | Red & White | RQAQ 2x10 |
| RQAQ 2 x 16 | 13.8 | 385 | 1.21 | Red & White | RQAQ 2x16 |
| RQAQ 2 x 25 | 16.0 | 544 | 0.78 | Red & White | RQAQ 2x25 |
| RQAQ 2 x 35 | 20.1 | 832 | 0.55 | Red & White | RQAQ 2x35 |

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