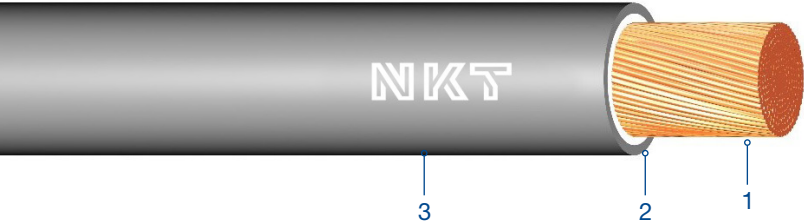


S1Z1Z1-K Single-core



Power cable, halogen-free, flame retardant

Standards: 600V



Construction:

- 1. Conductor: Stranded, annealed copper wire class 5 IEC 602288
- 2. Insulation: Flame retardant polyolefin
- 3. Sheath: Flame retardant, polyolefin. Example of marking: “NKT TFL103105/08 S1Z1Z1-K 2 AWG (35 mm²) max 600 V 90°C DRY (UL) E194163 TCOPC B2ca”

Application:

Halogen free, flame retardant cable for connection of batteries, power distribution or grounding. CPR and UL listed. Grey version is for indoor use. Black version is Sunlight resistant per UL 1581 sec 1200 for both indoor and outdoor use.

Properties:

|                               |                          |                                  |                                                                              |
|-------------------------------|--------------------------|----------------------------------|------------------------------------------------------------------------------|
| Rated voltage                 | Max 600 V                | Fire classification              | IEC 60332-3-24 (Cat C)<br>UL 1685, Vertical Tray<br>CPR Class B2ca, s1,d2,a1 |
| Minimum operating temperature | -20°C (-40°C when fixed) | Fulfil low voltage directive, CE | Yes                                                                          |
| Maximum operating temperature | +90°C                    | Fulfil RoHS                      | Yes                                                                          |
| Minimum bending radius        | 5 x outer diameter       | Fulfil REACH                     | Yes                                                                          |

Technical data:

| No. of cores and cross-section | Nom. outer diameter | Cable weight | Effective resistance of conductor | Sheath colors | Part number  |
|--------------------------------|---------------------|--------------|-----------------------------------|---------------|--------------|
| mm <sup>2</sup>                | mm                  | kg/km        | Ω/km                              |               |              |
| 1 x 16 (6AWG)                  | 7.7                 | 169          | 1.21                              | Black         | TFL103103/00 |
| 1 x 16 (6AWG)                  | 7.7                 | 169          | 1.21                              | Grey          | TFL103103/08 |
| 1 x 25 (4AWG)                  | 10.5                | 280          | 0.78                              | Black         | TFL103104/00 |
| 1 x 25 (4AWG)                  | 10.5                | 280          | 0.78                              | Grey          | TFL103104/08 |
| 1 x 35 (2AWG)                  | 11.0                | 360          | 0.55                              | Black         | TFL103105/00 |
| 1 x 35 (2AWG)                  | 11.0                | 360          | 0.55                              | Grey          | TFL103105/08 |
| 1 x 50 (1AWG)                  | 13.0                | 510          | 0.39                              | Black         | TFL103106/00 |
| 1 x 50 (1AWG)                  | 13.0                | 510          | 0.39                              | Grey          | TFL103106/08 |
| 1 x 70 (2/0AWG)                | 15.2                | 710          | 0.27                              | Black         | TFL103107/00 |
| 1 x 70 (2/0AWG)                | 15.2                | 710          | 0.27                              | Grey          | TFL103107/08 |
| 1 x 95 (3/0AWG)                | 17.5                | 920          | 0.21                              | Black         | TFL103108/00 |
| 1 x 95 (3/0AWG)                | 17.5                | 920          | 0.21                              | Grey          | TFL103108/08 |
| 1 x 150 (250kcmil)             | 21.5                | 1440         | 0.13                              | Black         | TFL103110/00 |
| 1 x 150 (250kcmil)             | 21.5                | 1440         | 0.13                              | Grey          | TFL103110/08 |
| 1 x 240 (500kcmil)*            | 25.3                | 2310         | 0.08                              | Black         | TFL103112/00 |

\*Not UL Listed