Treoflex SDI - VSD

Single Core VSD Cable

Technical Data

Special screened single core for EMC applications

- **Temperature range**
  Flexing -30°C to + 90°C
  fixed installation -40°C to + 100°C
- **Nominal Voltage**
  U°/U 600/1000 V
- **Test voltage** 3000 V
  Insulation resistance min 200 MOhm x km
- **Minimum bending radius**
  fixed installation 5x cores Ø

Cable Structure

Tinned copper, fine wire conductors bunch stranded to DIN VDE 0295 class 5
Inner insulation of special thermoplastic polymer, natural coloured
Screen of tinned cu-braid, coverage approx 85%
Outer insulation of special polyolefine black (RAL 9005)

Properties

Very good oil resistantce
Halogen free
Abrasion resistant
Resistant to
Hydrofluoric acid
Hydrochluoric acid
Diluted sulfuric acid
Coolants
Microbes
UV-Radiation

Weather

The materials used in manufacture are cadmium-free and contain no silicone and are free from substances harmful to the wetting properties of lacquers

Application

The special single cores are used for permanent flexible applications in machines, machine tools, composting appliances and sewerage-treatment plants, animal stalls and greenhouses. They are used for permanent flexible application for movable automated machinery parts and multi-shift operation, as well as in open air. These cables are installed for flexible use with free movements without tensile stress or forced movements and are suitable for application in drag chains. The selected tinned copper wire conductor and tinned copper wire braid permit the installation in aggressive environments as well as hydrogen sulfide, ammonia and sulfur dioxide.

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These screened cables are particularly suitable for the interference-free transmission instrumentation and control engineering applications (electromagnetic compatibility).

EMC = Electromagnetic compatibility.

For application as a protective core, the ends are to be identified with green-yellow shrink-on tubes.
For applications which go beyond standard solutions (for example for composting appliances or high shelf conveyors with extremely high processing speeds etc). We recommend for our specially developed enquiry sheet for energy guiding systems.
Before installation in cable trays please read the instructions. For further technical details see selection table for drag chain cables, see lead text.
CE = The product is conformed with the EC Low-Voltage Directive 2006/95

Part Number	No. of cores x cross-sec. mm²	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA1.1200.01	1 x 120	23.8	1260.0	1400.0
TA1.1500.01	1 x 150	26.0	1570.0	1710.0
TA1.1850.01	1 x 185	28.8	1911.0	2021.0
TA1.2400.01	1 x 240	32.0	2475.0	2750.0
TA1.3000.01	1 x 300	36.5	3050.0	3450.0