



### Construction:

- Conductor : plain flexible copper wires.
- Insulation : PVC compound , TI2
- Core identification : JZ: white imprinting numbers on black cores, with green-yellow core.  
OZ: white imprinting numbers on black cores.
- Lay-up : cores are laid up in layers of optimum pitch.
- Separator : polyester tape.
- Screen : braid of tinned copper wires, 80% coverage.
- Outer sheath : special PVC compound.
- Sheath colour : RAL 9005, Black or RAL 7001, Grey. To be agreed upon the shade of grey.

### Technical data and tests:

- Insulation resistance : min. 20 MΩ/km
- Rated voltage U<sub>0</sub>/U : 0,6/1 kV.
- Test voltage (AC 50 Hz) : 3,5 kV.
- Temperature range : fixed : - 40° C ~ + 70° C.  
mobile: - 5° C ~ + 70° C.
- Min. bending radius : fixed : 6 x D.  
mobile : 15 x D.

\*EMC - electromagnetic compatibility.

### Standards:

- Cable : VDE 0245 - VDE 281 part 13 - HD 21.13.S1
- Conductor : IEC 60228 Class 5,  
DIN EN 60228 Class 5.
- Core identification: VDE 0293.
- Flame retardant : IEC 60332-1 & EN 50265-2-1.

### Applications:

These flexible cables must be used as energy or connecting cables in mechanical engineering for applications such as: instrumentation and control equipment for tooling machinery production lines and flexible applications for free movement with low tensile load. These cables with copper screening are ideally suitable for interference-free data and signal transmission in measuring and control technology. These cables are used for outdoor installation and are not recommended for direct burial.

<b>DIMENSIONS</b>			
No. of cores x cross section mm <sup>2</sup>	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
5x1	10,0	71	160

**\*ANY OTHER SECTIONS AVAILABLE UPON REQUEST.**

