

THEATER-FLEX extremely flexible, number coded, 0,6/1kV



Technical data

- Special PVC control cables Adapted to DIN VDE 0262/12.95 and DIN VDE 0281 part 13, with insulation thickness for 1 kV type
- **Temperature range**
flexing -10°C to +70°C
fixed installation -40°C to +80°C
- **Nominal voltage** U₀/U 0,6/1 kV
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**
min. 20 MΩm x km
- **Power ratings**
per DIN VDE 0298
- **Minimum bending radius**
flexing 6x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable construction

- Bare copper, fine wire conductors, as per DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation TI2, to DIN VDE 0281 part 1
- Black cores with white figure imprints to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special PVC outer sheath TM2, to DIN VDE 0281 part 1
- colour black (RAL 9005)

Properties

- Extensively oil resistant
- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
- Resistant to ultra violet rays

Note

- G = with green-yellow earth core;
- x = without green-yellow earth core (OZ).
- Different dimensions are also available.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Special designed wiring cable for the theatre branche, for lighting and controlling. The cable structure and conductor lay-length make the cable extremely flexible and suitable for easy winding and unwinding. Resistant to medium mechanical stresses with free movement without tensile stress or forced movements (avoid cable torsion!) For flexible use in dry, moist and wet rooms as well as outside (fixed installation). Is not suitable to be used as direct burial or as underwater cable. The core numbers are easily identifiable, with the earth core located in the outer layer. The black, special PVC outer sheath is resistant to ultra violet radiation
 CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Current Capacity 30°C (A)
S19151	19G1,5	15,7	273,6	493	16	8
S19251	19G2,5	18,3	456,0	727	14	9

Other sizes on request.
 Dimensions and specifications may be changed without prior notice.

Please contact us for inquiries of pre-assembled cables.

