

Paar-Tronic Paired Flexible Foil Screened Cable DIN 47100 Colour Code



Technical Data

Paar-Tronic

- Special Pvc Data Cable Requirements adapted to DIN VDE0812,0814
- **Temperature Range:** Flexing -5°C to + 80°C
Fixed installation -40°C to +80°C
- **Operating Voltage**-250V
- **Test Voltage** 1200V
- **Breakdown Voltage** : Min 2400V
- **Insulation Resistance** - Min 20 Mohm x KM
- **Minimum bending radius** Flexing 7.5 x Cable Ø Fixed installation 4 x Cable Ø
- **Capacitance** -Core/Core Approx at 800Hz- 0.14 mm-120Pf/M >0.25mm- 150 Pf/M
- **Load** - 0.14mm = 1,5A ; 0.25mm = 2,5 A
- **Impedance** - Approx 78 Ohm
- **Inductance** - Approx 0.65m/H/km
- **Coupling resistance:** Max 250 Ohm/km
- **Radiation Resistance** - Upto 80x10 cJ/Kg (Upto 80 Mrad)

Properties

- Extremely 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

Application

These Data control Cables are used for flexible use with free movement without tensile stress or forced movements in dry, moist and wet rooms but are not suitable for open air. PAAR-TRONIC is the perfect cable for use in areas where a small diameter is essential to complete wiring, as a control and signal cable in measuring instruments, computers, signal transfer. This cable is suitable only for low load applications.

This product conforms with the EC low directive 73/23/EEC and 93/68/EEC

Cable Construction

- Bare Copper, Fine wire bunch stranded acc to DIN VDE 0295 Cl.5, BS6360 cl.5 and IEC 60228 cl.5
- Oil Resistant PVC Core Insulation Y12 to Din VDE0207 Part 4
- Colour coded to DIN 47100
- Cores & Pairs stranded in pairs with optimal Lay length
- Cores wrapped with Foil
- Special PVC outer sheath YM2 to Din VDE 0207 Part 5
- Colour Grey (RAL 7032)