

Paar-Tronic CY Paired Flexible Cu Screened Cable DIN 47100 Colour Code



Technical Data

Paar-Tronic CY

- Special Pvc Data Cable Requirements adapted to DIN VDE0245,0281
- **Temperature Range:** Flexing -5°C to + 80°C
Fixed installation -40°C to +80°C
- **Operating Voltage**-350V
- **Test Voltage** Core/Core 1200V : Core / Screen 800V
- **Breakdown Voltage** : Min 2400V
- **Insulation Resistance** - Min 20 Mohm x KM
- **Minimum bending radius** Flexing 10 x Cable Ø Fixed installation 5 x Cable Ø
- **Capacitance** -Core/Core Approx at 800Hz- 0.14 mm-120Pf/M >0.25mm- 150 Pf/M
Core / Screen 0.14mm -240Pf/M > 0.25mm 270Pf/M
- **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 Screened data control Cables are used for flexible use with free movement without tensile stress or forced movements in dry and wet rooms but not suitable for open air, PAAR-TRONIC CY is well suited for use in areas subjected to signal interference. The high level of screening reduces substantially the effects of electrical disturbances from parallel running wiring. The copper screening is also often used as an earth. The Twisted pairs conform favourable cross talk attenuation values

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

Cable Construction

- BareCopper , Fine wire bunch stranded acc to DIN VDE 0295 Cl.5 , BS6360 cl.5 and IEC 60228 cl.5
- Oil Resistant PVC Core Insulation T12 to Din VDE0281 Part I
- Colour coded to DIN 47100 with colour repetition
- Cores & Pairs stranded in pairs with optimal Lay length
- Cores wrapped with Foil
- Drain Wire , Tinned
- Tinned Copper braided screen 85% coverage approx.
- Special PVC outer sheath TM2 to Din VDE 0281 Part1
- Colour Grey (RAL 7032)