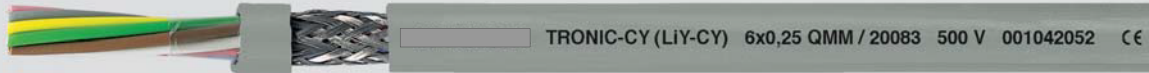


Tronic CY (LIY-CY) Flexible Cu Screened Cable DIN 47100 Colour Code



Technical Data

Tronic CY(LIY-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
- **Nominal Voltage**-0.14mm- 350V - 0.25mm- 500V
- **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 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, wherever the construction requirements call for a minimum outer diameter, Tronic is suitable cable to use. This applies especially to such areas as tool making and machine industries as well as electronic , computer , measurement and control sectors.

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 T12 to Din VDE0281 Part I
- Colour coded to DIN 47100 but without colour repetition
- Cores stranded together 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 Part I
- Colour Grey (RAL 7001)