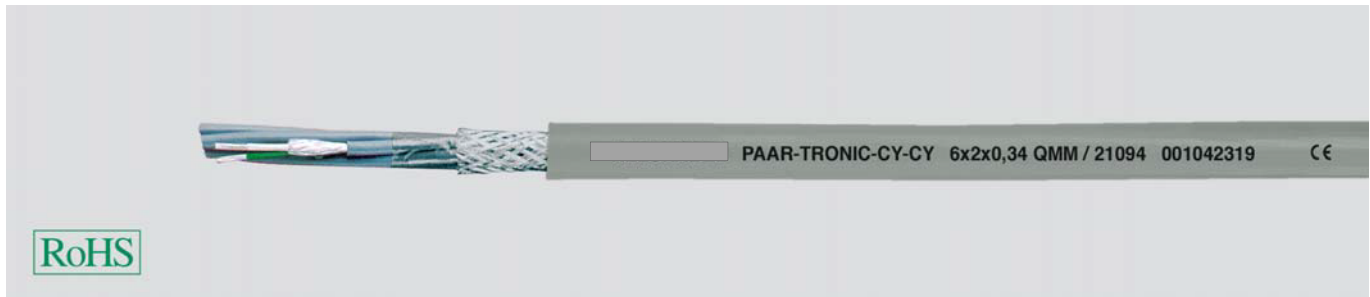


# Paar-Tronic-CY-CY(LIYCY-CY) EMC Preferred Type



## Technical Data

### Paar-Tronic CY-CY(LIYCY-CY)

- 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
- **Nominal Voltage :** 0.14mm= 350V : 0.25mm=500V
- **Test Voltage :** 0.14mm=1200V : 0.25mm=2000V
- **Breakdown Voltage :** 0.14mm=2400V : 0.25mm=4000V
- **Conductor Resistance :** 0.14mm= max 138Ohm/km : 0.25mm=77.8 Ohm/km
- **Minimum bending radius** Flexing 12 x Cable Ø Fixed installation 6 x Cable Ø
- **Capacitance** -Core/Core : 0.14 mm-147 Pf/M : 0.25mm- 152.5 Pf/M  
Core/Screen : 0.14 mm - 147 Pf/M : 0.25 mm - 263 Pf/M
- **Impedance:** 0.14 mm = 536 Ohm/km : 0.25 mm = 396 Ohm/km @1kHz/20°C
- **Attenuation :** 0.14mm=3.6dB/1kHz/km : 0.25mm = 2.2dB/1kHz/km
- **Coupling :** 250 Pf/100m/1kHz
- **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**

This cable type offers total interference-free data transfer and is ideal for use as a signal and control cable in combination with computers and external units. The screening properties also make this cable type well suited for use as a connecting cable and sound studio equipment, measuring and control sectors as well as providing a highly reliable cable for process-control and security systems. The copper screening assures a disturbance-free data and signal transmission for measuring and control systems.

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

## **Cable Construction**

- Bare Copper , Fine wire conductors to DIN VDE 0812
- Oil Resistant PVC Core Insulation Y12 to Din VDE0207 Part 4
- Colour coded to DIN 47100 with colour repetition
- Cores stranded in pairs with optimal Lay length
- Pairs Screened individually , tinned copper, coverage approx 85%
- Special PVC coating over individual screened pairs
- All Pairs -CY stranded together
- Cores wrapped with Polyester Foil Overlapped
- Overall braid-screening, tinned copper approx 85 % coverage
- Special PVC outer sheath YM2 to Din VDE 0207 Part 5
- Colour Grey ( RAL 7001 )