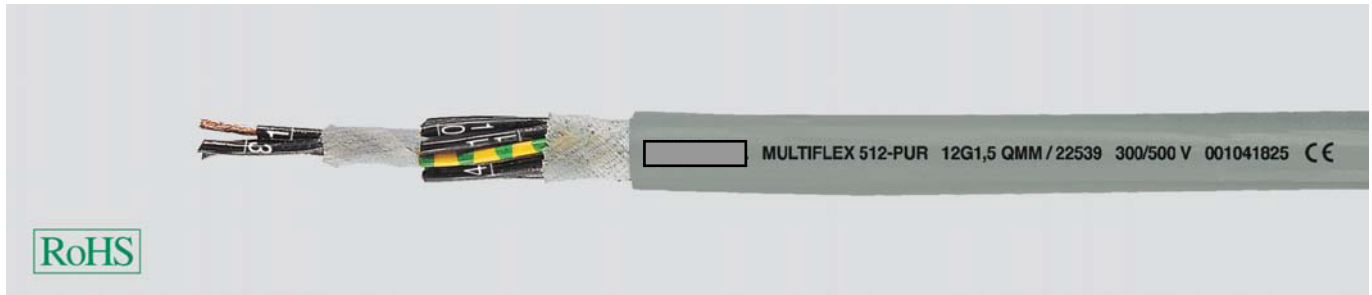




# High Flex Cable TPE/PUR Ce Approved



## Technical Data

### MultiFlex 512-PUR

- Special drag chain cable for high mechanical stress
- Requirements adapted to DIN VDE0282 Part 1 and part 10
- **Temperature Range**  
Flexing -40°C to + 80°C  
Fixed installation -50°C to +80°C
- **Nominal Voltage**- 300/500V
- **Test Voltage** 3000V
- **Insulation Resistance**  
Min 100 Mohm x KM
- **Minimum bending radius**  
Flexing 5 x Cable Ø  
Fixed installation 3 x Cable Ø
- **Radiation Resistance**  
Up to 50x10 cj/kg(up to 50 Mrad)

### Cable Construction

- Bare Copper , extra fine wire conductors , bunch stranded to DIN VDE 0295 Cl.6 col.4, BS6360 cl.6 and IEC 60228 cl.6
- Special core insulation of modified TPE
- Black Cores with sequential numbering Imprinted in white acc to DIN VDE 0293
- Green-Yellow earth core 3 cores +
- Cores stranded together with optimal Lay length
- Special core wrapping over each layer(up to 4mm without core wrapping over the outer layer)
- Special full Polurethane outer jacket TPU to DIN VDE 0282 part 10
- Colour Grey ( RAL 7001 ) Mat finish

## **Properties**

- Very good oil resistance , Guaranteed permanent application in multi-shift operations under extreme high bending stress, Adhesion Low, High resistant to mechanical strain, High property of alternating bending strength
- Long life durability through low friction-resistance by using the TPE insulation
- High tensile strength - abrasion & impact resistant at low temperatures
- Resistant to Weather, ozone, UV Radiation , Solvents , Acids, Alkalis and Hydraulic liquidity
- PUR - jacket 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)

## **Application**

The special cables for drag chains are used for permanent flexible applications in machineries , machine tools, robot technics, for moveable automated machinery parts and multi-shift operations. These highly flexible control cables with sliding abilities guaranteed an optimum service life durability and also offer an economic solution by using the TPE core insulation and PUR outer jacket. PUR material is low adhesion and cut resistant.