

Li14YC14Y



Application

Halogen-free control cables with insulation and sheath from special thermoplastic elastomer TPE. The cables are used for connecting electrical equipment, control and measuring systems, information and transmission systems and other industrial applications. These high abrasion resistance cables are used for work at high or low temperature. The cables are suitable for use in dry, wet and damp rooms, for mobile application without straining. The screen secure transmission of high frequencies without disturbances.

Special properties

- Halogen-free
- working temperature: -40 °C to 125 °C
- high flexible at low temperature - 40 °C
- high abrasion resistance
- resistant to oil
- resistant to UV light and ozone
- resistant to detergents.

Cable design

- copper conductors class 5 according to IEC 60228
- insulation: special thermoplastic elastomer TPE
- twist cores
- wrapping: textile band over the twisted cores
- wrapping: polyethylenetereftalat band over the textile band
- screen of tinned copper wire braiding: coverage 85%
- sheath: special thermoplastic elastomer TPE

Technical data

- manufactured acc. to the technical specification of GAMAKABEL
- rated voltage : max 600 V
- test voltage : max 3000 V
- test voltage : core/screen - 1500 V
- working capacitance - core/core: max 70 pF/m
- working capacitance - core/screen: max 110 pF/m
- insulation resistance at 20 °C: min 100 MΩ x km
- resistivity at 20 °C, min 10¹⁴ Ω x cm
- el. resistance of copper conductors at 20 °C: max 26 Ω/ km
- maximum conductor temperature: + 125 °C
- max. conductor temperature at short circuit for 5s: +200 °C
- resistance to cold at bending and shock, - 40 °C
- minimum bending radius:
mobile: 10D • fixed : 7,5D (D - diameter of cable)
- resistance to oil, in oil ASTM 2 for 24h at 100 °C
- resistance to ozone at 25 °C for 24h
- solar radiation resistance- at temperature 55 °C and high humidity
- sheath colour: black

Core identification - all cores black, with imprinted numbers

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight
No x mm ²	mm	kg/km	kg/km
6 x 0,75	9,3	83	121