



K-DATA LI9Y-TPE DIN 47100

Description : Polypropylene insulated and TPE sheathed data and control cable, bio-oil-resistant, detergent-resistant for use in the food industries, manufactured for working voltage of 300/500V.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
PP - Polypropylene insulation compound
DIN 47100 coloured coded cores.
Talcum
TPE-V Polypropylene and EPDM based jacket compound

Manufacturing's Controls: Test and Control according to our certificated **ISO 9001-2015 CSQ-IMQ (EQ-NET)** Quality System procedure.
Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports

Norms : Resistant to contact with organic oils and the related emulsions as well as plant, animal or synthetic-based greases and waxes
Good resistance to ammonia compounds and bio-gases
Good resistance to cold and hot water, water-soluble cleaning and cooling agents.
Resistant to disinfection and cleaning solutions used in food and beverage industry
High oil-resistance
Resistant to hydrolysis and microbes
Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
Low smoke density according to IEC 61034
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 300/500 V
- Spark Test voltage : 3000 V
- Working temperature : Flexing: -40°C to +80°C
Fixed installation: -50°C to +90°C
- Minimum bending radius : For flexible use: 15 x outer diameter
Fixed installation: 4 x outer diameter

Use : This control and supply cable, due to its proved all-weather resistance so as the resistance to a wide range of chemicals and to the ester-based hydraulic fluids is suitable to be used in machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works, food and beverage industry. It's Suitable for indoor and outdoor use within the indicated operating temperature range.

This cable is suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.