



K-FLEX 7100 XHHW-2 UL

Description : XLPE power supply and control single core cables, conforming to NFPA 79 2007 wiring norms and NEC Art. 402 or 310 manufactured according to UL 44 (Thermoset insulated wires and cables)

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5, UL 83 and UL 1063 standard
 Special UL approved XLPE Insulation compound for XHHW and XHHW-2 types

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 : Flame retardant, Test method B according to DIN VDE 0472 part 804, UL FT1
 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 61034-2
 Construction according to:

- UL 44 type XHHW-2

The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage: UL 600 V
- Spark Test voltage: 6000 V
- Fixed installation working temperature: UL -40°C to + 90°C
- Occasional flexing working temperature: UL -15°C to + 90°C
- Fixed installation minimum bending radius = 4 x cable Ø
- Occasional flexing minimum bending radius = 13 x cable Ø

Use : These power single core cables are especially suitable for export-orientated machinery. It is suitable for control equipment on machine tools subjected to medium mechanical stresses, for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems, in dry, damp and wet interiors (including water-oil mixtures).
 In accordance with NEC "National Electrical Code" Art. 402 (18 and 16 AWG) and Art. 310 (for bigger AWG)