



K-FLEX 4000 CY H05VVC4V5-K

Description : Increased oil-resistant screened Power supply and Control Cables according to HD 21.13 S1 Type H05VVC4V5-K, <HAR> approved.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5
PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207
Black numbered cores with *GY* core
Inner jacket in special PVC **TM2** according to CEI 20-11 and VDE 0207
Tinned copper screening with coverage 85% ± 5%
Outer jacket in special PVC **TM5** according to CEI 20-11 and VDE 0207

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 and IEC 60332-1
Norm references and approvals: EN 50525-2-51
Oil-resistant according to EN 50363-4-1: TM5
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 300/500V
- Spark Test voltage : 3000 V
- Working temperature: Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C
- Minimum bending radius: Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use : This control cable is designed in accordance to VDE 0281 part 13. The screened version are suitable as connection cable for control equipment on machine tools, conveyor and assembly lines, haulage systems, production lines etc. subjected to medium mechanical stress, for fixed or partly flexible installation where free movement is required without tensile stress and without compulsory guidance, in dry, damp and wet interiors (including water-oil mixtures), but not outdoors.