



K-FLEX 2300 H.F. H05Z1Z1-F UL CSA

Description : European and USA approved Halogen Free multi-conductors connecting and control cable with colour code cores, manufactured according to HD 21 14 S1 and UL AWM Style 10615 and 21217.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 6, DIN-VDE 0295 K5 and IEC 60228 Cl.5
Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A and UL 1581
Coloured coded cores according HD 308 table
Halogen free jacket compound type **TM7** according to HD 21.14 S1 annex B and UL 1581
Range: from 0,50 mm² to 4 mm² (from 21 to 12 AWG) - 2 to 5 cores

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
No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25
UL Flame rating: FT2

Halogen-free according to IEC 60754-1

Corrosiveness of combustion gases according to IEC 60754-2

Construction According to HD 21.14 S1 Standard, AWM UL styles 10615 and 21217 and CSA-AWM I A/B II A/B

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

Technical dates :

- Nominal voltage : <HAR> 300/500 V UL-CSA 600 V
- Spark Test voltage : 6000 V
- Working temperature : Occasional flexing: UL -15°C to +75°C
<HAR> -40°C to + 70°C
- Minimum bending radius: Fixed installation: UL -15°C to +75°C
<HAR> -40°C to + 70°C
Occasional flexing: 15 x outer Ø
Fixed installation: 4 x outer Ø

Use : This cable is usually used in applications as extension and connecting cables for electrical devices, appliances and machinery, where plugs must be permanently connected to the corresponding cable.

Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards.