# Heat Resistance Computer Cables

## ◆ Standard

Heat Resistance Computer Cable is manufactured according to Q/320412HLC002.

## ◆ Application

The computer cables have Fluorine silicone rubber insulation, fluorplastic insulation, used as connection wires among the computers, testing instrument and gauges of the rated voltage including and below 300/500V, with good anti-inference feature.

## ◆ Product Property

(1) XLPE insulation cable max working temperature no more than 90℃;
(2) Fluorine Silicone rubber insulation and sheath cable max working temp. no more than 200℃; silicon rubber insulation PVC sheath max. working temp.105℃;
(3) FC insulation and sheath cable max. working temp. no more than 200℃; FC insulation PVC sheath max. working temp. not be more than 105℃; FC insulation fluorine silicon rubber sheath Max. working temp, no more than 200℃;
(4) Cable bending radius: no less than 12 times of diameter for cable with armored, no less than 6 times of diameter for cables without armored.

## ◆ Technical Data

1. Conductor DC resistance (Table 1)

Table 1

| Nominal sectional area $mm^2$ | DC resistance of conductor at 20℃ ≤Ω/km | | | |
|---|---|---|---|---|
| | Un-tinned | | Tinned | |
| | Class 1,2 | Class 5 | Class 1,2 | Class 5 |
| 0.50 | 36.0 | 39.0 | 36.7 | 40.1 |
| 0.75 | 24.5 | 26.0 | 24.8 | 26.7 |
| 1.0 | 18.1 | 19.5 | 18.2 | 20.0 |
| 1.5 | 12.1 | 13.3 | 12.2 | 13.7 |
| 2.5 | 7.41 | 7.98 | 7.56 | 8.21 |

2. Insulation resistance (Table 2)

Table 2

| Nominal sectional area $mm^2$ | Conductor Type | Insulation resistance not less than (MΩ·km) | |
|---|---|---|---|
| | | Fluor-silicone rubber insulation 20℃ | FC Insulation 20℃ |
| 0.5 | 1,2,5 | 50 | |
| 0.75 | 1,2,5 | | |
| 1.0 | 1,2,5 | | |
| 1.5 | 1,2,5 | | |
| 2.5 | 1,2,5 | | |

Note: Class 1 refers to solid copper wire, class 2 refers to stranded copper wire, class 5 refers to multi-stranded copper wire.

3. Product Specification (Table 3)

Table 3

| Type | | Pairs | Nominal sectional area $mm^2$ |
|---|---|---|---|
| $HCDJS_FPV_E$ | $HCDJFCP_2$ | 1~48 | 0.75<br>1.0<br>1.5<br>2.5 |
| $HCDJS_FP_2V_E$ | $HCDJFCP_{22}$ | | |
| $HCDJS_FP_3V_E$ | $HCDJFCP_{32}$ | | |
| $HCDJS_FV_EP$ | HCDJFCP | | |
| $HCDJ_{S\,F}V_EP_2$ | $HCDJFCP_2$ | | |
| $HCDJS_{\,F}V_EP_3$ | $HCDJFCP_3$ | | |
| $HCDJS_FPV_EP$ | $HCDJFCPP_2$ | | |
| $HCDJS_FP_2V_EP_2$ | $HCDJFCP_2P_{22}$ | | |
| $HCDJS_FP_3V_EP_3$ | $HCDJFCP_3P_{32}$ | | |

| Type | | Pairs | Nominal sectional area $mm^2$ |
|---|---|---|---|
| $HCDJS_FP_2V_{E22}$ | $HCDJFCP_{2-22}$ | 1~48 | |
| $HCDJS_FP_3V_{E22}$ | $HCDJFCP_{3-22}$ | | |
| $HCDJS_FV_EP_{2-22}$ | $HCDJFCP_{2-22}$ | | |
| $HCDJS_FV_EP_{3-22}$ | $HCDJFCP_{3-22}$ | | |
| $HCDJS_FP_2V_EP_{2-22}$ | $HCDJFCP_2P_{2-22}$ | | |
| $HCDJS_FP_3V_EP_{3-22}$ | $HCDJFCP_3P_{3-22}$ | | |
| $HCDJS_FP_2V_{E31}$ | $HCDJFCP_{2-31}$ | | |
| $HCDJS_FP_3V_{E31}$ | $HCDJFCP_{3-31}$ | | |
| $HCDJS_FV_EP_{2-31}$ | $HCDJFCP_{2-31}$ | | |
| $HCDJS_FV_EP_{3-31}$ | $HCDJFCP_{3-31}$ | | |
| $HCDJS_FP_2V_EP_{2-31}$ | $HCDJFCP_2P_{2-31}$ | | |
| $HCDJS_FP_3V_EP_{3-31}$ | $HCDJFCP_3P_{3-31}$ | | |
| $HCDJS_FP_2V_{E32}$ | $HCDJFCP_{2-32}$ | | |
| $HCDJS_FP_3V_{E32}$ | $HCDJFCP_{3-32}$ | | |
| $HCDJS_FV_EP_{2-32}$ | $HCDJFCP_{2-32}$ | | |
| $HCDJS_FV_EP_{3-32}$ | $HCDJFCP_{3-32}$ | | |
| $HCDJS_FP_2V_EP_{2-32}$ | $HCDJFCP_2P_{2-32}$ | | |
| $HCDJS_FP_3V_EP_{3-32}$ | $HCDJFCP_3P_{3-32}$ | | |

Note: Recommend pairs are 1, 2, 3, 4, 5, 7, 8, 10, 12, 14, 16, 19, 24, 27, 30, 37, 44, 48

## ◆ Type and Name (Table 4)

Table 4

| **Type** | | **Name** |
|---|---|---|
| Copper wire Fluor silicone rubber insulated computer cables | Copper wire fluor-plastic insulated computer cables | |
| $HCDJS_FPV_E$ | HCDJFCP | Copper wire braid individual screened |
| $HCDJS_FP_2V_E$ | $HCDJFCP_2$ | Copper tape wrapped individual screened |
| $HCDJS_FP_3V_E$ | $HCDJFCP_3$ | Aluminum/plastic laminate-tape individual screened |
| $HCDJS_FV_EP$ | HCDJFCP | Copper wire braid overall screened |
| $HCDJ_{S\,F}V_EP_2$ | $HCDJFCP_2$ | Copper tape overall screened |
| $HCDJS_{\,F}V_EP_3$ | $HCDJFCP_3$ | Aluminum/plastic laminate-tape overall screened |
| $HCDJS_FPV_EP$ | $HCDJFCPP_2$ | Copper wire braid individual screened and overall screened |
| $HCDJS_FP_2V_EP_2$ | $HCDJFCP_2P_2$ | Copper tape individual screened and overall screened |
| $HCDJS_FP_3V_EP_3$ | $HCDJFCP_3P_3$ | Aluminum/plastic laminate-tape individual screened and overall screened |
| $HCDJS_FP_2V_{E22}$ | $HCDJFCP_{2-22}$ | Copper tape individual screened steel-tape armored |
| $HCDJS_FP_3V_{E-22}$ | $HCDJFCP_{3-22}$ | Aluminum/plastic laminate-tape individual screened steel tape armored |
| $HCDJS_FV_EP_{2-22}$ | $HCDJFCP_{2-22}$ | Copper tape overall screened steel tape armored |
| $HCDJS_FV_EP_{3-22}$ | $HCDJFCP_{3-22}$ | Aluminum/plastic laminate-tape overall screened steel tape armored |
| $HCDJS_FP_2V_EP_{2-22}$ | $HCDJFCP_2P_{2-22}$ | Copper tape individual screened and overall screened steel tape armored |
| $HCDJS_FP_3V_EP_{3-22}$ | $HCDJFCP_3P_{3-22}$ | Aluminum/plastic laminate-tape individual screened and overall screened steel tape armored |
| $HCDJS_FP_2V_{E-31}$ | $HCDJFCP_{2-31}$ | Copper tape individual screened steel wire braid armored |

| Type | | Name |
|---|---|---|
| Copper wire Fluor silicone rubber insulated computer cables | Copper wire fluor-plastic insulated computer cables | |
| $HCDJS_FP_3V_E$-31 | $HCDJFCP_3$-31 | Aluminum/plastic laminate-tape individual screened steel wire braid armored |
| $HCDJS_FV_EP_2$-31 | $HCDJFCP_2$-31 | Copper tape overall screened steel wire braid armored |
| $HCDJS_FV_EP_3$-31 | $HCDJFCP_3$-31 | Aluminum/plastic laminate-tape overall screened steel wire braid armored |
| $HCDJS_FP_2V_EP_2$-31 | $HCDJFCP_2P_2$-31 | Copper tape individual screened and overall screened steel wire braid armored |
| $HCDJS_FP_3V_EP_3$-31 | $HCDJFCP_3P_3$-31 | Aluminum/plastic laminate-tape individual screened and overall screened steel wire braid armored |
| $HCDJS_FP_2V_E$-32 | $HCDJFCP_2$-32 | Copper tape individual screened steel wire armored |
| $HCDJS_FP_3V_E$-32 | $HCDJFCP_3$-32 | Aluminum/plastic laminate-tape individual screened steel wire armored |
| $HCDJS_FV_EP_2$-32 | HCDJFC2$P_2$-32 | Copper tape overall screened steel wire armored |
| $HCDJS_FV_EP_3$-32 | HCDJFC2$P_3$-32 | Aluminum/plastic laminate-tape overall screened steel wire armored |
| $HCDJS_FP_2V_EP_2$-32 | $HCDJFCP_2P_2$-32 | Copper tape individual screened and overall screened steel wire armored |
| $HCDJS_FP_3V_EP_3$-32 | $HCDJFCP_3P_3$-32 | Aluminum/plastic laminate-tape individual screened and overall screened steel wire armored |