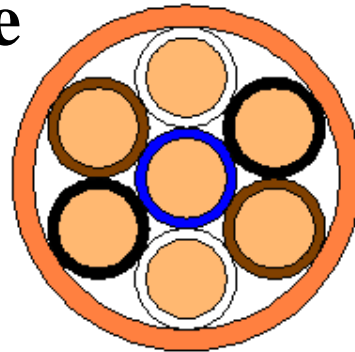


Aircraft 400 Hz Cable for fixed installation

Type: **RKK 7X35**
Article: **2111**



| 35 mm² Conductor acc. to IEC 60228,5 | | | |
|--|----------------------|------------------|-------------|
| Properties | Nominal value | Tolerance | Unit |
| Wires in conductor, bare | 266 | - | Pcs. |
| Wire diameter | 0,4 | ± 0,04 | mm |
| Resistance at +20°C | 0,534 | +0,02 | Ω/Km |
| Lay length | 140 | - | mm |
| Copper weight | 315 | - | Kg/km |

| Insulation of 35mm² acc. to ISO 6722 | | | |
|--|--------------------------------------|------------------|-------------|
| Properties | Nominal value | Tolerance | Unit |
| Material | PVC 70°C | - | - |
| Temperature range | -25 till +70 | | °C |
| Wall thickness | 1,2 | + 0,2 | mm |
| Outer diameter | 10,6 | + 0,4 | mm |
| Colour | Lightblue, 2xBlack, 2xBrown, 2xWhite | | |

| Laying up of cores | | | |
|---------------------------|----------------------|------------------|-------------|
| Properties | Nominal value | Tolerance | Unit |
| Lay Length | 280 | -50 | mm |
| Centre core | 1 x 35, Blue | | |
| Lapping helical tape | 60 | | mm |

| Outer sheet acc. to HD 603 | | | |
|-----------------------------------|----------------------|------------------|-------------|
| Properties | Nominal value | Tolerance | Unit |
| Material | PVC 70°C | - | - |
| Temperature range | -30 till +70 | | °C |
| Wall thickness | 1,8 | +0,5 | mm |
| Outer diameter | 36,0 | + 1,0 | mm |
| Colour | Customer's choice | | |

| Specific properties | | | |
|--|----------------------|-------------|-----------------|
| Properties | Nominal value | Unit | Standard |
| Voltage range | 600/1000 | V | |
| Routine voltage test, 5 min. | 2.000 | V | IEC 811 |
| Type voltage test, 15 min. in water | 4.000 | V | IEC 811 |
| Max. continuously current at ambient temp +30°C, per phase | 270 | A | IEC 204-1 |
| Max. short-circuit current for 5 seconds | 4,2 | kA | |
| Permissible minimum bending radius fixed inst. | 125 | mm | DIN 0298-3 |
| Flame Properties | Pass | VW-1 | UL1581 |
| Flame Properties | Pass | Vertical | IEC 332-1 |
| Flame Properties | Pass | Part 804 B | VDE 0472 |
| Resistance 2 core at +20°C | 0,267±0,01 | Ω/Km | |
| Resistance 2 core at +70°C | 0,320±0,01 | Ω/Km | |
| Mutual capacitance | 120 | nF/km | |
| Inductance | 0,095 | mH/km | |
| Impedance | 0,239 | Ω/Km | |
| Voltage drop, $\varphi=0,8$ | 0,62 | mV/Am | |
| Voltage drop, $\varphi=0,8$, 90kW, 25meter, U_0 | 2,89 | V | |
| Weight, total | 2,8 | Kg/m | |
| Marking, ink printed | amokabel RKK 7X35 | | |