

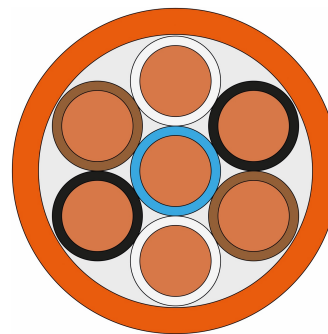
## Aircraft 400 Hz Cable for fixed installation

Type:

RKK 7x35

Article:

2111



35 mm <sup>2</sup> Conductor acc. to IEC 60228,5			
Properties	Nominal value	Tolerance	Unit
Wires in conductor, bare	266	-	Pcs.
Wire diameter	0,40	± 0,04	mm
Resistance at 20°C	0,534	+0,02	Ω/km
Copper weight	315	-	Kg/km

Insulation of 35mm <sup>2</sup> acc. to ISO 6722			
Properties	Nominal value	Tolerance	Unit
Material	PVC 70°C	-	-
Temperature rang, fixed	-25 to +70		°C
Wall thickness	1,2	+0,2	mm
Outer diameter	10,6	+0,4	mm
Color	Light blue, 2x Brown, 2x Black, 2x White		

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

Outer sheath acc. to HD 603			
Properties	Nominal value	Tolerance	Unit
Material	PVC 70°C	-	-
Temperature range, fixed	-30 to +70		°C
Wall thickness	1,8	+ 0,5	mm
Outer diameter	36	+ 1,0	mm
Color	Customers choice		

Type:

**RKK 7x35**

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, φ=0,8	0,62	V	
Voltage drop, φ=0,8, 90kW, 25meter, U <sub>0</sub>	2,89		
Weight total	2,8	Kg/m	
Marking, ink printed	amokabel RKK 7X35		