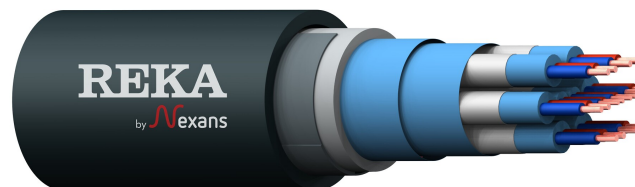


## KJAAM-ARM

### Instrumentation cable-HF

### 300 V



### Application

Instrumentation cable for fixed installations indoors and outdoors. May be buried directly in soil. Cable gives good protection against rodents and other mechanical stress. EMC shielded cable gives an excellent protection against electromagnetic disturbances. Installations must be in accordance with national regulations and rules of installations. The cable is flame-retardant according to CPR-class Eca.

### Design

<b>Standards</b>	EN 50288-7
<b>Reaction to fire</b>	Eca; EN 13501-6, EN 50575:2014+A1:2016
<b>Conductor</b>	Circular stranded tinned copper, EN/IEC 60228 class 2
<b>Insulation</b>	Polyethylene compound
<b>Core Identification</b>	Blue, red
<b>Cable lay up</b>	Insulated wires are twisted in pairs. Colours in pairs are blue and red. Pairs are marked with number tape.
<b>Overall shield</b>	Two aluminium tapes and earthing conductor (tinned copper, between the tapes)
<b>Separation sheath</b>	Extruded polyethylene compound
<b>Individual shield</b>	Aluminium tape and earthing conductor

### Temperature limits

<b>Max. conductor temperature °C</b>	70
<b>Max. cond. temp. short circuit max. 5 s °C</b>	160
<b>Min. cable temperature during operation °C</b>	-40
<b>Min. cable temperature during handling °C</b>	-10
<b>Min. cable temperature during transport °C</b>	-40

### Additional information

Maximum DC resistance of conductor pair at 20 °C 81,0 Ω/km (0,5 mm<sup>2</sup>)  
 Maximum DC resistance of conductor pair at 20 °C 40,3 Ω/km (1,0 mm<sup>2</sup>)  
 Testing voltage 1 kV AC  
 Nominal mutual capacitance 80 nF/km  
 Maximum mutual capacitance 150 nF/km  
 Nominal inductance (L) 600 μH/km  
 Maximum inductance to resistance ratio (L/R) 25 μH/Ω

**Oversheath** UV-protected polyolefin compound , Black

**Armour** Galvanized steel

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Technical information	4x(2+1)x0,5 BK	8x(2+1)x0,5 BK
<b>Product code</b>	<b>1147614</b>	<b>1147618</b>
Nominal cable diameter mm	14	19
Nominal cable weight kg/km	291	478
Nominal weight of copper kg/km	58	113
Nominal weight of iron kg/km	87	126
Nominal diameter of conductor mm	0,9	0,9
Nominal Insulation thickness mm	0,4	0,4
Nominal thickness of oversheath mm	1,4	1,5
<b>Fire load</b>		
Fire load MJ/m	3,074	5,267
Fire load kWh/m	0,854	1,463
<b>Maximum forces during installation when pulling by</b>		
Max. pulling force by pulling-eye kN	0,2	0,4
<b>Minimum bending radii</b>		
Minimum bending radius, handling mm	203	280
Minimum bending radius, final bending mm	136	187
<b>Minimum bending radii</b>		
During handling and installation, cable cm	20	28
In final installation, cable cm	14	19
<b>DC resistance</b>		
Max. DC resistance of conductor at 20 °C Ω/km	37,4	37,4
<b>Electrical values</b>		
Minimum insulation resistance MΩ × km	1000	1000