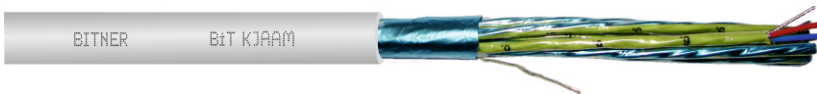


# BiT KJAAM

Data transmission cables for numerical control systems



## Technical data:

### Thermal parameters:

#### Temperature range:

operating temperature: -40 °C to 80 °C  
min. installation temperature: -5 °C

### Electrical parameters:

**Operating voltage (peak value):** 75 V

**Test voltage:** 2000 V

**Conductor loop resistance (20 °C) max:**  
81 Ω/km

**Effective capacitance in pair (800 Hz):**  
80 nF/km

**Insulation resistance (min):** 5 GΩ/km

### Mechanical parameters:

**Min. bending radius:** 10 x Ø

## Design:

<b>Conductors:</b>	stranded tinned copper conductors class 2, cross section 0,5 mm <sup>2</sup> (7 x 0,3 mm)
<b>Insulation:</b>	PE, insulation thickness 0,4 mm
<b>Core identification:</b>	blue and red
<b>Individual screen:</b>	aluminium backed polyester tape with stranded, tinned copper drain wire 0,5 mm <sup>2</sup> (7 x 0,3 mm) placed under the tape and twisted together with cores
<b>Core arrangement:</b>	screened pairs twisted together and wrapped with numbered identification tapes
<b>Collective screen:</b>	aluminium backed polyester tape with stranded tinned copper drain wire 0,5 mm <sup>2</sup> (7 x 0,3 mm) placed under the tape
<b>Outer sheath:</b>	PVC compound self-extinguishing and flame retardant (as per EN 60332-1-2); colour: grey

## Application:

Cables designed for analog and digital signals transmission, protected against interferences from external electromagnetic fields by collective screen. Individually screened, twisted pairs ensure very good coefficient of attenuation loss. Cables designed for indoor applications. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]
S10550	2x(2+1)x0,5+0,5	9,3	79
S10551	4x(2+1)x0,5+0,5	10,8	135
S10552	8x(2+1)x0,5+0,5	14,6	237
S10553	12x(2+1)x0,5+0,5	16,5	326
S10554	24x(2+1)x0,5+0,5	24,0	640

\*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice