

BIT KJAAM-HF UV

Halogen-free 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
Insulation resistance (min): 2 GΩ x km
Effective capacitance in pair (800 Hz):
80 nF/km

Mechanical parameters:

Min. bending radius: 10 x Ø

Design:

Conductors: stranded tinned copper conductors class 2, cross section 0,5 mm² (7 x 0,3 mm)
Insulation: PE, insulation thickness 0,4 mm
Core identification: blue and red
Individual screen: aluminium backed polyester tape with stranded, tinned copper drain wire 0,5 mm² (7 x 0,3 mm) placed under the tape and twisted together with cores
Core arrangement: screened pairs twisted together and wrapped with numbered identification tapes
Collective screen: aluminium backed polyester tape with stranded tinned copper drain wire 0,5 mm² (7 x 0,3 mm) placed under the tape
Outer sheath: special halogen-free, self-extinguishing and flame retardant (as per EN 60332-1-2); colour: black

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 applications not exposed to mechanical stresses both indoor and outdoor. Outer sheath resistant to UV radiation and weather conditions. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S10590	2x(2+1)x0,5+0,5	10,7	115
S10591	4x(2+1)x0,5+0,5	11,6	160
S10592	8x(2+1)x0,5+0,5	15,5	280
S10593	12x(2+1)x0,5+0,5	17,5	370
S10594	24x(2+1)x0,5+0,5	24,4	690

*Outer diameter tolerance: +/-5%
Cable Factory BITNER reserves the right to modify the specifications without prior notice