

# KNX 2 Pair Armoured Black Technical Datasheet

Part No: 31000502A-F00

**Description:** Used for lighting control, blind control, air-conditioning, heating and security systems. KNX

Certified products will communicate with each other to ensure the smooth functioning and easy

expansion of systems and creates a comfortable, efficient & safe environments.







## Construction

Conductor Material : Bare Copper, (1/0.8mm)
Pair Insulation Material : Polyethylene (PE)

Number of Pairs : 2

Fillers : Cotton Thread
Overall Tape : Polyester

Drain Wire : Tinned Copper (7/0.16mm)

Overall Screen : Overall Aluminium Foil (100% Coverage)

1st Inner Sheath Material : Low Smoke Halogen Free (LSHF)

1<sup>st</sup> Inner Sheath Colour : Green

2<sup>nd</sup> Inner Sheath Material : Polyethylene (PE)

2<sup>nd</sup> Inner Sheath Colour : Black

Armour : Galvanised Steel Wire Armour (SWA)

Outer Sheath Material : Polyethylene (PE)

Outer Sheath Colour : Black

Core Identification : Red & Black, Yellow & White

## **Electrical Characteristics**

Nominal Conductor Resistance :  $< 38.5 \Omega/km$ Insulation Resistance :  $> 200M\Omega.M$ 

Voltage Rating : 450/750V Applies to CE marked FSC branded stock only

Test Voltage : 2.5kV for 5 minutes

#### **Physical Characteristics**

 $\begin{array}{lll} \text{Overall Diameter} & : 13.0 \pm 0.4 \text{mm} \\ \text{Min Bend Radius} & : 10 \times \text{OD} \\ \text{Temperature Rating} & : -10^{\circ}\text{C to +70^{\circ}\text{C}} \\ \text{Weight} & : 300 \text{ kg/km} \\ \end{array}$ 

### Standards

RoHS3 Compliant : Yes
UV & Weather Resistant : ISO 4892-3
CE Compliant : LVD (2014/35/EU)

CPR Classification : Fca (EN50575:2014+A1:2016)





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