

KNX 2 Pair LSHF Green Duct Grade Technical Datasheet

Part No: 31000502D

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 environment.







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)
Inner Sheath Material : Low Smoke Halogen Free (LSHF), Green

Outer Sheath Material : Polyethylene (PE), Black
Core Identification : Red & Black, Yellow & White

Electrical Characteristics

 $\label{eq:conductor} \mbox{Nominal Conductor Resistance} \qquad : < 37.7 \ \mbox{Ω/km$} \\ \mbox{Insulation Resistance} \qquad : > 200 \mbox{M} \mbox{Ω}. \mbox{M}$

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

Test Voltage : 2.5kV for 5 minutes

Physical Characteristics

Overall Diameter : 9.2 mm

Min Bend Radius : 10 x OD

Temperature Rating : -25°C to +70°C

Weight : 95 Kg/Km

Standards

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

RoHS2 Compliant : Yes

Reg No 150/8928/10

UV & WEATHER

FS Cables Tel: 01727 840 841 sales@fscables.com www.fscables.com

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ISO 9001:2015 Certificate Number: DAS94272226/0/Q

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