

# EIB/KNX

Quad Cable Duct Grade

<KNX Certified 330/11612/14>



## Application

Duct Grade EIB Cable for building system technology to control lighting, heating, air-conditioning, ventilation, energy management, blinds, time management and locking systems. This cable is for exterior applications where the cable may be run outside or through ducts. Not to be layed in ground.

## Cable Design

### Wire

Conductor	Solid bare copper wire. Ø 0,80 mm
Insulation	Polyvinylchloride (PVC). Ø 1,60 mm

### Formation

Tape	4 wires twisted to a quad (Red, Yellow, White, Black) plastic tape overlapped
Drain Wire	Solid bare copper wire. Ø 0,40 mm
Screen	Alulamine foil overlapped. 100% coverage

### Inner Jacket

Diameter	LSZH FireFighter®, Green Ø 6,20 mm
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### Tape

Mylar tape wrapped over inner jacket

### Outer Jacket

Diameter	MDPE, Black Ø 9,70 ± 1,0 mm
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## Specification

Part Number	Type
22101 Q08S44	Duct Grade EIB/KNX Cable for Permanent Installation . Certified #330/11612/14



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## Electrical Data @ 20°C

Loop resistance (max.)	73,20	Ohm/km
Insulation resistance (min.)	100	MOhm*km
Operating Capacity (max.)	100	nF/m
k1 : Capacitance unbalance (max.)	200	pF/100m
Test Voltage : core-shield	4	kV 50 Hz 1 min.
Peak Operating Voltage	300	V

## Mechanical & Thermal Characteristics

Temperature Range	during installation :	-20°C up to +50°C
	static :	-40°C up to +70°C
Weight (approx.)	90	kg/km