

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	PE-Polyethylene. 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	Alulaminare 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
22101Q08S44	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

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