

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. Ø0,80 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 0,40mm
Screen	Alulaminare foil overlapped. 100% coverage
Inner Jacket	
Diameter	LSZH FireFighter®, Green Ø 6,20 mm
Tape	Mylar tape wrapped over innerjacket
Outer Jacket	
Diameter	MDPE, Black Ø 9,70 ± 1,0 mm

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 1min.
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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