

# 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)<br>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<br>Ø 6,20 mm |
|----------|---------------------------------------|

### Tape

Mylar tape wrapped over inner jacket

### Outer Jacket

|          |                                |
|----------|--------------------------------|
| Diameter | MDPE, Black<br>Ø 9,70 ± 1,0 mm |
|----------|--------------------------------|

## Specification

| Part Number | Type   |
|-------------|--|
| 22101Q08S44 | Duct Grade EIB/KNX Cable for Permanent Installation .<br>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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