



## Accordia DALI B2ca LSZH

DALI Cable 1 pair Unshielded, Halogen Free

Image representative of cable family. Actual cable may vary.

**CPR Class B2ca s1,d1,a1**

**FlameSmart® technology**

**Halogen Free**

**Based on  
EN IEC 62386-101**

**Control cable for DALI (Digital  
Addressable Lighting  
Interface) lighting control  
systems**

### STANDARDS AND CERTIFICATES

|           |   |
|-----------|---|
| Standards | Based on EN IEC 62386-101<br>EN 60228<br>EN 50575 |
| CPR Class | B2ca s1,d1,a1                                     |
| DOP       | 1002715   |
| ROHS II   | complies  |

### CONSTRUCTION

|                     |                         |
|---------------------|-------------------------|
| Conductors          | Flexible copper class 5 |
| Insulation          | HFFR                    |
| Laying up           | 2 cores                 |
| Core Identification | Different colors        |
| Outer Sheath        | HFFR blue               |

### ELECTRICAL CHARACTERISTICS

|                           |  |
|---------------------------|--|
| Operation Voltage         | 300/500 V  |
| Test Voltage, core-sheath | 1200 V   |
| DC Resistance             | 0,50mm <sup>2</sup> <39,00 Ohm/km<br>0,75mm <sup>2</sup> <26,00 Ohm/km<br>1,00mm <sup>2</sup> <19,50 Ohm/km<br>1,50mm <sup>2</sup> <13,30 Ohm/km |
| Capacitance, core-core    | 0,50mm <sup>2</sup> <70 pF/m<br>0,75mm <sup>2</sup> <80 pF/m<br>1,00mm <sup>2</sup> <90 pF/m<br>1,50mm <sup>2</sup> <100 pF/m                    |

### MECHANICAL CHARACTERISTICS

|                        |                          |
|------------------------|--------------------------|
| Minimum bending radius | 10 x $\Phi$ outer sheath |
| Operation Temperature  | -20 C up to +70 C        |
| Standard packaging     | 5x100m, 1x500m           |

### APPLICATIONS

SMART BUILDING

INDUSTRIAL

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### OUTER DIMENSIONS

| ACCORDIA type   | No of pairs X No of cores X<br>Cross-Section | Approx.<br>Outer Sheath (mm) |
|-----------------|--|------------------------------|
| <b>DALI 100</b> | <b>1x2x0,50 mm<sup>2</sup><br/>/ 20 AWG</b>  | <b>5,10</b>                  |
| <b>DALI 150</b> | <b>1x2x0,75 mm<sup>2</sup><br/>/ 18 AWG</b>  | <b>5,60</b>                  |
| <b>DALI 200</b> | <b>1x2x1,00 mm<sup>2</sup><br/>/ 17 AWG</b>  | <b>5,80</b>                  |
| <b>DALI 300</b> | <b>1x2x1,50 mm<sup>2</sup><br/>/ 16 AWG</b>  | <b>6,20</b>                  |

### MAXIMUM LINE LENGTH

| ACCORDIA type   | Max Cable Length |
|-----------------|------------------|
| <b>DALI 100</b> | <b>100 m</b>     |
| <b>DALI 150</b> | <b>150 m</b>     |
| <b>DALI 200</b> | <b>200 m</b>     |
| <b>DALI 300</b> | <b>300 m</b>     |