ACCORDIA
CABLES BEYOND STANDARD

T E C H N I C A L  D A T A  S H E E T

# Accordia LiHH B2ca LSZH

**Control Cables Halogen Free**

Image representative of cable family. Actual cable may vary.

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

**FlameSmart technology**

**Based on VDE0812 & 0814**

**Halogen Free**

## STANDARDS AND CERTIFICATES

| | |
|---|---|
| Standards | **Based on VDE0812 & VDE0814**<br>**EN 60228**<br>**EN 50575** |
| CPR Class | **B2ca s1,d1,a1** |
| DOP | **1002701** |
| ROHS II | **complies** |

## CONSTRUCTION

| | |
|---|---|
| Conductors | **Flexible copper class 5** |
| Insulation | **HFFR** |
| Laying up | **Cores stranded** |
| Core Identification | **Different colors without repetition, based on DIN 47100** |
| Outer Sheath | **HFFR grey** |

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Operation Voltage | **300/500 V** |
| Insulation Resistance | **>100 MOhm.km** |
| Test Voltage | **1200 V** |
| DC Resistance | **0,50mm2 <39,00 Ohm/km**<br>**0,75mm2 <26,00 Ohm/km**<br>**1,00mm2 <19,50 Ohm/km**<br>**1,50mm2 <13,30 Ohm/km**<br>**2,50mm2 <7,98 Ohm/km**<br>**4,00mm2 <4,95 Ohm/km** |

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Minimum bending radius | **10 x Φ outer sheath** |
| Operation Temperature | **-20 C up to 70 C** |
| Standard packaging | **5x100m, 1x500m** |

## APPLICATIONS

**SMART BUILDING**

**SAFETY & SECURITY**

**INDUSTRIAL**

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### OUTER DIMENSIONS

| No Cores X Cross-section (mm2) | Approx. Outer Sheath (mm) |
|---|---|
| **2x0,50** | **5,10** |
| **3x0,50** | **5,40** |
| **4x0,50** | **5,80** |
| **5x0,50** | **6,10** |
| **6x0,50** | **6,70** |
| **2x0,75** | **5,60** |
| **3x0,75** | **5,90** |
| **4x0,75** | **6,40** |
| **5x0,75** | **6,80** |
| **6x0,75** | **7,40** |
| **2x1,00** | **5,80** |
| **3x1,00** | **6,10** |
| **4x1,00** | **6,70** |
| **5x1,00** | **7,10** |
| **6x1,00** | **7,70** |
| **2x1,50** | **6,20** |
| **3x1,50** | **6,60** |
| **4x1,50** | **7,20** |
| **5x1,50** | **7,60** |
| **6x1,50** | **8,30** |
| **7x1,50** | **8,30** |
| **2x2,50** | **7,20** |
| **3x2,50** | **7,60** |
| **4x2,50** | **8,40** |
| **5x2,50** | **9,00** |
| **6x2,50** | **9,80** |
| **7x2,50** | **9,80** |
| **2x4,00** | **8,00** |
| **3x4,00** | **8,90** |
| **4x4,00** | **9,80** |
| **5x4,00** | **10,60** |
| **6x4,00** | **11,60** |
| **7x4,00** | **11,60** |

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