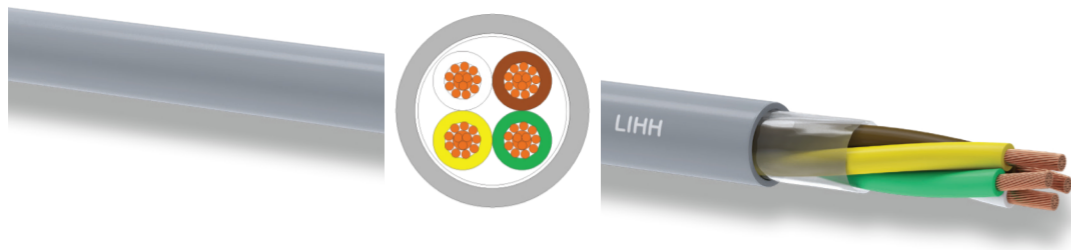


Data and connection cables

ULData® LIHH

Halogen-free data transmission cable with colour code acc. to DIN 47100



FLEXIBLE CABLE DESIGN/REDUCED OUTER DIAMETER/SMALL BENDING RADIUS/FLAME RETARDANT CHARACTERISTIC/LOW SMOKE EMISSION/WITHOUT POISONED AND CORROSIVE GASES



APPLICATION

In closed areas where people are densely populated
 -Instrumentation and Control Engineering
 -Industrial Electronics
 -Computers and Office Machines
 -Indoor Communication Systems
 -Indoor Sound Systems
 -In places where human life and valuable materials and equipment need to be protected

CONSTRUCTION

1-Conductor IEC 60228; DIN VDE 0295; EN 60228 Class 5
 Stranded Electrolytic Bare Copper
2-Insulation EN 50290-2-26 HFFR Compound
3-Colour Code DIN 47100
4-Stranding In layers of optimum pitch
5-Wrapping Pes Tape
6-Sheath EN 50290-2-27 HFFR Compound
7-Sheath Colour RAL 7001 Grey

TECHNICAL CHARACTERISTICS

| CONDUCTOR RESISTANCE | | INSULATION RESISTANCE | MUTUAL CAPACITANCE | | CURRENT CARRYING CAPACITY | | OPERATING VOLTAGE | TEST VOLTAGE | BENDING RADIUS | TEMPERATURE RANGE | FLAME RETARDANT TEST |
|----------------------|------|---|--------------------|------|---------------------------|-----|---|---|----------------|-------------------|---|
| mm ² | Ω/km | MΩxkm | mm ² | pF/m | mm ² | A | | | | | |
| 0,22 | 79 | 0,22mm ² /0,34mm ² = 200 ≥0,50mm ² = 20 | 0,22 | 110 | 0,22 | 2,5 | 0,22mm ² /0,34mm ² = 250V ≥ 0,50mm ² = 300/500V | 0,22mm ² /0,34mm ² = 1200V ≥ 0,50mm ² = 2000V | 10x Cable Ø | - 30°C - +80°C | IEC 60332-1-2 DIN EN 60332-1-2 EN 60332-1-2 |
| 0,34 | 56 | | 0,34 | 110 | 0,34 | 4,5 | | | | | |
| 0,50 | 39 | | 0,50 | 120 | 0,50 | 6,0 | | | | | |
| 0,75 | 26 | | 0,75 | 120 | 0,75 | 13 | | | | | |
| 1,0 | 19,5 | | 1,0 | 120 | 1,0 | 16 | | | | | |
| 1,5 | 13,3 | | 1,5 | 120 | 1,5 | 20 | | | | | |
| 2,5 | 7,98 | | 2,5 | 120 | 2,5 | 25 | | | | | |

SMOKE DENSITY TEST

IEC 61034-2
 VDE 0482-1034-2
 EN 61034-2

TEST ON CORROSIVENESS OF COMBUSTION GASES

IEC 60754-2
 VDE 0482-754-2
 EN 60754-2

HALOGEN FREE TEST

IEC 60754-1
 VDE 0482-754-1
 EN 60754-1

FLAME PROPAGATION TEST

IEC 60332-3-24
 DIN EN 60332-3-24
 EN 60332-3-24

NOTES

With its flexible design it can easily be used in narrow spaces.

These cables are not suitable for outdoor use.

LIHH-OZ : Without green/yellow earthing core.

LIHH-JZ : With green/yellow earthing core.