



According to DIN EN 60079-14; VDE 0165 part 1

Space-saving installation due to small cable diameters

- For use within intrinsically safe circuits



## Product description

### Application range

- Installation of intrinsically safe circuits, where a special cable marking for hazard area type "i"- intrinsic safety is specified

### Benefits

- Space-saving installation due to small cable diameters

### Product Make-up

- Fine-wire strand made of bare copper wires
- PVC insulation LAPP P8/1
- PVC outer sheath, sky blue RAL 5015

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## Norm references / Approvals

- Based on EN 50525-2-51
- Electrical characteristics and markings on the wires and cables are according to DIN EN 60079-14 Section 12.2.2 (VDE 0165 Part 1)

## Product features

- Flame-retardant according IEC 60332-1-2

## Technical Data

Core identification code	Black with white numbers acc. to VDE 0293-1
Mutual capacitance	Core/core approx. 110 nF/km
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U <sub>0</sub> /U: 300/500 V
Test voltage	Core/core: 3000 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C