



ARCOCAVI

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Technical Data

**ARCOFLEX H941 - H941-C H - HM2
CONTROL CABLES FOR INDUSTRIAL
PLANTS AND INSTALLATIONS -
HALOGEN-FREE**

Application

ARCOFLEX H941 cables are used as measuring and control cables in machine tools, conveyor belts, production lines as well as in plant installations, in air conditioning and steel production works.

The cables are in accordance with IEC332.3A , CEI 20-22 II and VDE 0472 part 804-C Standards as flame retardant and self-extinguishing, and with VDE 0472 part 815 (freedom from halogen) as not developing corrosive and poisonous gases.

The smoke density is low (low smoke emission). The cables correspond to LIHH and LIHCH types of VDE Standards.

Type of cable

Conductors sections:

mm² 0,5 - 0,75 - 1 - 1,5 - 2,5 - 4 - 6 - 10 - 16

Number of conductors: from 2 up to 61 max.

Constructional characteristics

Conductor stranding:

flexible class 5 acc. Standards
VDE 0295 - IEC 228 - CEI 20-29

Primary insulation:

halogen-free compound (H)

Cores identification:

black numbered or coloured acc. DIN 47100
with green/yellow conductor

Stranding: cores twisted in layers

Jacket: halogen-free special compound
HM2 flame retardant

Technical characteristics and ratings

Service voltage: 300/500 V

Test voltage: 2000 V

Insulation resistance: min. 20 Mohm x km(at 20°C)

Capacitance: abt. 120 nF/km

Service temperature:

movable from -5°C to +70°C

static from -30°C to +70°C

Min. bending radius: 15 x ext. cable diameter

Flame resistance: VDE 0472-804C - CEI 20-22 II

Oil resistance: VDE 0472-803-B (ASTM2 oil)