



ARCOCAVI

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Technical Data

ARCOFLEX H901 - H901-C
PP/PE - HM2
CABLES FOR ELECTRONICS AND DATA
TRANSMISSION - HALOGEN-FREE

Application

ARCOFLEX H901 and H901-CH control cables are used as connecting cables for signal, measuring, control, telecommunication and data transmission systems.

These cables are generally installed in all systems where the freedom from halogen in case of fire must be ensured and the flame propagation must be avoided.

The halogen free thermoplastic produce neither corrosive nor toxic gases. H901-CH with screened braiding offers interference-free signal transfer.

The cables correspond to types LI9YH - LI9YCH and LI2YH - LI2YCH of VDE Standards.

Type of cable

Conductors sections:

mm² 0,14 - 0,25 - 0,34 - 0,5 - 0,75

Number of conductors: from 2 up to 50 max.

Constructional characteristics

Conductor stranding:

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

Primary insulation: in polypropylene (PP) or in polyethylene (PE)

Cores identification: colours acc. to DIN 47100

Stranding: cores twisted in layers

Taping (for H901-C): wrapping with polyester foil

Shield (for H901-C): tinned copper braid on total coverage abt. 85%

Jacket: halogen-free HM2 polyolefine - compound flame-resistant according Standards IEC 332.1 - VDE 0472-804B -

colour grey RAL 7005 or other

Technical characteristics and ratings

Service voltage:

300 V for sections < 0,5 mm²

500 V for sections >= 0,5 mm²

Test voltage:

1500 V for sections < 0,5 mm²

2000 V for sections >= 0,5 mm²

Insulation resistance: min. 100 Mohm x km(at 20°C)

Capacitance: < 70 nF/km

Service temperature:

movable from -5°C to +70°C

static from -30°C to +70°C

Min. bending radius: 10 x ext. cable diametre

Flame resistance: VDE 0472-804B - IEC 332-1 - CEI 20-35