



ARCOCAVI

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Technical Data

ARCOFLEX 105°C
PVC - PVC
CONTROL CABLES FOR
TEMPERATURES UP TO 105°C

Application

ARCOFLEX 105°C cables are ideal for use with motors or appliances subject to direct contact with high temperatures, as for example varnishing machines and drying towers.

Type of cable

Conductors sections:
mm² 0,5 - 0,75 - 1 - 1,5 - 2,5 - 4

Number of conductors: from 2 up to max 25

Constructional characteristics

Conductor stranding:

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

Primary insulation: special PVC compound

Cores identification: black numbered or colours acc.
DIN 47100 + green/yellow

Jacket: special PVC compound - colour RAL 7001 or other - flame resistant

Technical characteristics and ratings

Service voltage: 300/500 V for sect. 0,50 - 1 mm²
450/750 V for sect. \geq 1,5 mm²

Test voltage: 2000 V

Insulation resistance: \geq 20 Mohm x km (at 20°C)

Capacitance: abt. 120 nF/km

Service temperature:

short-time operation up to 105°C

movable from -5°C to +105°C

static from -20°C to +90°C

Min. bending radius: 15 x external cable diameter

Flame resistance: VDE 0472-804B - CEI 20-35

Standards: UL - CSA on request