



ARCOCAVI

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Technical Data

ARCOFLEX Y - CY
PVC - PVC
MULTICORE CABLES - UNSHIELDED
(LIYY) AND SHIELDED (LIYCY)

Application

Data transmission cables used in control and signal lines and in electronics for computer systems, control and regulation, office machinery, where cables of robust construction and relatively small outer diameters are required.

The overall screening protects against external electrical influences and ensures precise transmission.

Type of cable

Conductors sections:
mm² 0,14 - 0,25 - 0,34 - 0,5 - 0,75 - 1 - 1,5 - 2,5

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: special PVC compound

Cores identification: colours according to DIN 47100

Stranding: concentric with multiple cores twisted in layers

Taping: special tape

Shield: tinned copper braid on total - min. covering 85% tinned copper draining wire optional

Jacket: special PVC compound - colour grey RAL 7001 or different

Technical characteristics and ratings

Service voltage: 250 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. 20 Mohm x km (at 20°C)

Capacitance: abt. 120 nF/km

Service temperature:

movable from -10°C to +70°C

static from -30°C to 70°C

Min. bending radius: 15 x external cable diameter

Flame resistance: VDE 0472-804C - CEI 20-22 II
(on request)

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

Standards and approvals:

VDE 0812 Standard

SEV approved cables

UL - CSA Standards (on request)