



# ARCOCAVI

## Technical Data

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**ARCOFLEX PAAR**  
**PVC - PVC**  
**PAIR TWISTED CABLES - UNSHIELDED**  
**(LIYY - P) AND SHIELDED (LIYCY - P)**

### **A**pplication

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.

### **T**ype of cable

**Conductors sections:**  
mm<sup>2</sup> 0,14 - 0,25 - 0,34 - 0,5 - 0,75 - 1 - 1,5

**Number of conductors:** from 2 up to 30.

### **C**onstructional 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 cores twisted into pairs-pairs twisted into layers

**Taping (for LIYCY-P):** special tape

**Shield:** tinned copper braid on total-covering  $\geq 85\%$

**(for LIYCY-P):** tinned copper draining wire optional

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

### **T**echnical characteristics and ratings

**Service voltage:** 250 V for sections  $< 0,5 \text{ mm}^2$   
500 V for sections  $\geq 0,5 \text{ mm}^2$

**Test voltage:** 1500 V for sections  $< 0,5 \text{ mm}^2$   
2000 V for sections  $\geq 0,5 \text{ mm}^2$

**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:**

10 x ext. cable diametre (LIYY)

15 x ext. cable diametre (LIYCY)

**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 - VDE 0814

SEV approved cables

UL - CSA (on request)