



# ARCOCAVI

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## Technical Data

**ARCOFLEX PAAR - CY - CY  
PVC - PVC  
PAIR TWISTED DOUBLE COPPER-BRAID  
SHIELDED CABLES (LIYCY - CY - P)**

### **A**pplication

ARCOFLEX PAAR-CY-CY offers total interference-free data transfer and is ideal for use as a signal and control cable in combination with computers and external units.

This cable type can be used as a connecting cable in sound studio equipment, and has been proved as a highly reliable cable for process-control and security systems.

### **T**ype of cable

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

**Number of conductors:** from 2 up to 24.

### **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

**Cores:** pair twisted

**Pair shielding:** shielding on each pair with tinned copper spiral-coverage abt. 85%

**Sheath on pairs:** PVC protective sheath on each screened pair

**Stranding:** pairs twisted into layers

**Taping:** special polyester tape on assembling

**Shield on total:** tinned copper wire braid screen - covering abt. 85% - with tinned copper draining wire

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

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

**Service voltage:** 250 V

**Test voltage:** 1500 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 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 0814

SEV approved cables

UL - CSA (on request)