



# ARCOCAVI

## Technical Data

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**ARCO - EXTRAFLEX 35 - 36 PVC - PUR  
EXTRA-FLEXIBLE CABLES FOR DATA  
TRANSMISSION - UNSHIELDED ( 35 )  
AND EMC SHIELDED ( 36 ) PUR JACKET**

## **A**pplication

Data transmission  
Dynamic applications  
Robotics

## **T**ype of cable

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

**Number of conductors:** from 2 up to 50.

## **C**onstructional characteristics

**Conductor stranding:**

extra-flexible class 6 acc. Standards  
VDE 0295 - IEC 228 - CEI 20-29

**Primary insulation:** special PVC compound

**Cores identification:**

colour code acc. DIN 47100  
other identification on request

**EMC shield (type 34):** tinned copper braid on total  
- covering  $\geq 85\%$

**Taping:** special tape

**Jacket:** polyurethane PUR abrasion-free  
colour grey RAL 7001

## **T**echinal characteristics and ratings

**Service voltage:** 300 V

**Test voltage:** 1500 V

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

**Capacitance:** type 35 abt. 85 nF/km  
type 36 abt. 130 nF/km

**Temperature:** service from -10°C to +70°C  
storage from -30°C to +80°C

**Min. bending radius:** 10 x external diam.

**Translation speed:** 140 m/min.

**Max. acceleration:** 5 m/s<sup>2</sup>

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

**Oil resistance:** VDE 0472-803-B ( ASTM2 oil )  
CNOMO E.03.40.150N -  
NFT46-013  
( for resistance to industrial oils )

**Halogen-free version:** VDE 0472-815