



# ARCOCAVI

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## Technical Data

**ARCO - EXTRAFLEX S6 PETP -  
PUR EXTRA-FLEXIBLE EMC SHIELDED  
CABLES FOR DATA TRANSMISSION AND  
CONNECTION OF SIEMENS SYSTEMS**

### **A**pplication

Data transmission  
Connection for Siemens systems  
Dynamic applications  
Robotics

### **T**ype of cable

Code	Formation x mm <sup>2</sup>
S6U16RDC	3x(2x0,14)+ (4x0,14)+ (4x0,25)+ (2x0,50)

### **C**onstructional characteristics

**Conductor stranding:**

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

**Primary insulation:** PETP polyester terephthalate

**Cores identification:** different colours

**EMC shield:** tinned copper braid covering  $\geq 85\%$   
for 3 pairs 2 x 0,14 mm<sup>2</sup>:  
tinned copper spiral cov. 100%

**Taping:** special tape

**Jacket:** PUR compound abrasion-free  
colour petrol RAL 5018 or black RAL 9005

### **T**echinal characteristics and ratings

**Service voltage:** 250 V

**Test voltage:** 1500 V

**Insulation resistance:**  $\geq 100$  Mohm x km (at 20°C)

**Capacitance:** 100 pF/ m ( cond. / cond. )

170 pF/ m ( cond. / shield )

**Temperature:** service from -10°C to +110°C  
storage from -40°C to +80°C

**Min. bending radius:** 100 mm

**Translation speed:** 180 m/min

**Max. acceleration:** 7 m/s<sup>2</sup>

**Flame resistance:** VDE 0472-804 B - 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