



# ARCOCAVI

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## Technical Data

**ARCO - EXTRAFLEX - W**  
**EXTRA-FLEXIBLE SHIELDED CABLES FOR**  
**MEASURING SYSTEMS**  
**TYPES H2 - H5 - I4 - I5 - S3 - S4 - S6**  
**PETP - PUR**

## **A**pplication

Data transmission  
Connection for measuring systems

## **T**ype of cable

Code	Formation x mm <sup>2</sup>
H2	( 2 x 1 ) + 10 x 0,14
H5	4 x ( 2 x 0,14 ) + 4 x 0,50
I4	4 x ( 2 x 0,25 ) + 2 x 1
I5	9 x 0,50
S3	4 x ( 2 x 0,38 ) + 4 x 0,50
S4	12 x 0,23
S6	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

**Insulation:** polyester terephthalate PETP

**Cores identification:** 1 mm<sup>2</sup>: WH - BN  
other sections: generally according DIN 47100

**EMC shield:**

types H2 - H5 - I4 - I5 - S3 - S4

tinned copper braid on total - coverage  $\geq$  85%  
type S6

tinned copper braid on total - coverage  $\geq$  85%  
for 3 pairs 2 x 0,14 mm<sup>2</sup>:

tinned copper spiral coverage 100%

**Taping:** special tape

**Jacket:** abrasion-free PUR compound - oil resistant  
colour green RAL 6018

## **T**echnical characteristics and ratings

**Service voltage:** 250 V

**Test voltage:** 1000 V ( types H2 - I4 - I5 )  
1500 V ( types H5 - S3 - S4 - S6 )

**Insulation resistance:** min. 100 Mohm x km ( at 20°C )

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

**Min. bending radius:** 70 mm ( type S4 )  
90 mm ( types H2 - H5 - I5 )  
100 mm ( types S3 - S6 )  
150 mm ( type I4 )

**Flame resistance:** VDE 0472 - 804 B - IEC 332.1 - CEI 20-35