



# ARCOCAVI

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## Technical Data

**ARCO - EXTRAFLEX I3 - I4**  
**EXTRA-FLEXIBLE EMC SHIELDED CABLES**  
**FOR DATA TRANSMISSION AND INDRAMAT**  
**ENCODER**  
**I3 = PVC - PVC** **I4 = PETP - PUR**

## **A**pplication

Data transmission  
Connection for Indramat encoder  
Dynamic applications

## **T**ype of cable

Type	Code	Formation x mm <sup>2</sup>
I3	I3EK10RXC	4 x ( 2 x 0,25 ) + 2 x 1
I4	I4EK10RXC	4 x ( 2 x 0,25 ) + 2 x 1

## **C**onstructional characteristics

**Conductor stranding:**  
extra-flexible class 6 acc. Standards  
VDE 0295 - IEC 228 - CEI 20-29  
**Primary insulation:** special PVC compound for I3  
PETP polyester terephthalate for I4  
**Cores identification:** 0,25 mm<sup>2</sup>: BR/GN - GY/PK  
- BU/VT - RD/BK  
1 mm<sup>2</sup>: WH - BN  
**EMC shield:** tinned copper braid on total-  
covering >= 85%  
**Taping:** special tape  
**Jacket:** special PVC compound for I3  
PUR compound abrasion-free for I4  
colour orange RAL 2003 or grey RAL 7001

## **T**echinal characteristics and ratings

**Service voltage:** 250 V  
**Test voltage:** 1000 V  
**Insulation resistance:** >= 100 Mohm x km ( at 20°C )  
**Temperature:**  
service from -10°C to +70°C ( for I3 type )  
service from -10°C to +110°C ( for I4 type )  
storage from -30°C to +80°C  
**Min. bending radius:** 150 mm  
**Translation speed:** 120 m/min for type I3  
180 m/min for type I4  
**Max. acceleration:** 4 m/s<sup>2</sup> for type I3  
7 m/s<sup>2</sup> for type I4  
**Flame resistance:** VDE 0472-804 B - IEC 332.1  
- CEI 20-35 for I3 type - VDE 0472-804C - IEC 332-3A  
- CEI 20-22 II for I4 type  
**Oil resistance:** VDE 0472-803-B ( ASTM2 oil )  
CNOMO E.03.40.150N -  
NFT46-013 ( industrial oils )  
**Standards:** UL - CSA on request