



ARCOCAVI

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Technical Data

ARCO - EXTRAFLEX H1 - H2
EXTRA-FLEXIBLE EMC SHIELDED CABLES
FOR HEIDENHAIN MEASURING SYSTEMS
H1 = PVC - PVCH2 = PETP - PUR

Application

Connection for Heidenhain measuring systems
Indramat encoder
Dynamic applications (for type H2)

Constructional characteristics

Conductor stranding:
extra-flexible class 6 acc. Standards
VDE 0295 - IEC 228 - CEI 20-29
Primary insulation: special PVC compound for H1
PETP polyester terephthalate for H2
Cores identification: 1 mm²: WH - BN
0,14 mm²: colours acc. DIN 47100
EMC shield: tinned copper braid on total -covering >= 85%
Taping: special tape
Jacket: special PVC compound (for H1)
abrasion-free PUR compound (for H2)

Type of cable

Type Code	Formation x mm ²
H1 H1KB12RXC	(2 x 1) + 10 x 0,14
H2 H2KB12RXC	(2 x 1) + 10 x 0,14

Technical characteristics and ratings

Service voltage: 250 V
Test voltage: 1000 V
Insulation resistance: >= 100 Mohm x km (at 20°C)
Temperature: service from 0°C to +70°C (for H1 type)
service from 0°C to +110°C (for H2 type)
storage from -40°C to +80°C
Min. bending radius: 90 mm
Translation speed: 120 m/min for type H1
180 m/min for type H2
Max. acceleration: 4 m/s² for type H1
7 m/s² for type H2
Flame resistance:
VDE 0472-804C - IEC 332-3A - CEI 20-22 II for H1 type
VDE 0472-804 B - IEC 332.1 - CEI 20-35 for H2 type
Oil resistance: VDE 0472-803-B (ASTM2 oil)
CNOMO E.03.40.150N-NFT46-013
(for resistance to industrial oils)
Standards: UL - CSA on request