



ARCOCAVI

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Technical Data

**ARCO - EXTRAFLEX H5 PETP - PUR
EXTRA-FLEXIBLE EMC SHIELDED CABLES
FOR INTERCONNECTION OF HEIDENHAIN
12-POLES MEASURING SYSTEMS**

Application

Data transmission
Connection for Heidenhain 12-poles measuring systems
Dynamic applications

Type of cable

Type Code

H5 H5BH12RXC

Formation x mm²

4 x (2 x 0,14) + 4 x 0,50

Constructional characteristics

Conductor stranding:

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

Primary insulation: PETP polyester terephthalate

Cores identification: 0,14 mm²: GN/BN-YE/VT-PK/GY-
RD/BLK - 0,5 mm²: WH - BU
- WH/GN - BN/GN

EMC shield: tinned copper braid on total - covering \geq 85%

Taping: special tape

Jacket: PUR compound abrasion-free
colour black RAL 9005

Technical characteristics and ratings

Service voltage: 250 V

Test voltage: 1500 V

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

Temperature: service from 0°C to +110°C
storage from -40°C to +80°C

Min. bending radius: 90 mm

Translation speed: 180 m/min

Max. acceleration: 7 m/s²

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