



ARCOCAVI

Technical Data

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**ARCO - EXTRAFLEX 24 - 25 PETP-PUR
EXTRA-FLEXIBLE CABLES FOR MOTOR
SUPPLY UNSHIELDED (24) AND EMC
SHIELDED (25) PUR JACKET**

Application

Dynamic applications
Robotics

Type of cable

Conductors sections:

mm² 1,5 - 2,5 - 4 - 6 - 10 - 16 - 25

Number of conductors: from 3 to 7.

Constructional characteristics

Conductor stranding:

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

Primary insulation: special PVC compound

Cores identification: black numbered + green/yellow

EMC shield (type 34): tinned copper braid on total
- covering $\geq 85\%$
with intermediate jacket

Taping: special tape

Jacket: polyurethane PUR abrasion-free
colour black RAL 9005

Technical characteristics and ratings

Service voltage: 600/1000 V

Test voltage: 4000 V

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

Capacitance: abt. 107 nF/km

Temperature: service from -10°C to +110°C
storage from -30°C to +80°C

Min. bending radius:

10 x external cable diam. (up to 12 mm)

12 x external cable diam. (>12 mm)

Translation speed: 180 m/min.

Max. acceleration: 7 m/s²

Flame resistance: VDE 0472-804B - 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