



ARCOCAVI

Technical Data

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**ARCO - EXTRAFLEX I1-I2 O.R. PVC-PUR
EXTRA-FLEXIBLE CABLES FOR SUPPLY
OF INDRAMAT BRUSHLESS MOTORS
UNSHIELDED(11) AND EMC SHIELDED (12)**

Application

Supply of Indramat brushless motors
Trailing chains
Dynamic applications
Robotics

Type of cable

Conductors sections:

mm² 0,75 - 1 - 1,5 - 2,5 - 4 - 6 - 10 - 16 - 25 - 35

Number of conductors: (4 x ...) + 2 x (2 x ...).

Constructional characteristics

Conductor stranding:

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

Primary insulation: power: special PVC compound
signal: PETP polyester terephthalate

Cores identification:

power: black numb. 1-2-3 + YE/GN

signal: black numbered 5-6-7-8

Shield on signal pairs: alum/pol + tinned copper braid

EMC shield: on total: tinned copper braid

(type I2) covering $\geq 85\%$

Taping: special tape

Jacket: special PUR compound colour orange RAL
2003

Technical characteristics and ratings

Service voltage: 450/750 V power conductors
250 V signal conductors

Test voltage: 3000 V power conductors
1000 V signal conductors

Insulation resistance: ≥ 100 Mohm x km

Temperature: service from -10°C to +70°C
storage from -30°C to +80°C

Min. bending radius: 10 x external cable diam.

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