



ARCOCAVI

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Technical Data

ARCO - EXTRAFLEX I5 - I6
EXTRA-FLEXIBLE EMC SHIELDED CABLES
FOR SUPPLY OF INDRAMAT TACHYMETER
DYNAMO
I5 = PETP - PUR **I6 = PVC - PVC**

Application

Data transmission
Indramat tachymetric connection
Dynamic applications
Robotics

Constructional characteristics

Conductor stranding:
extra-flexible class 6 acc. Standards
VDE 0295 - IEC 228 - CEI 20-29
Primary insulation: PETP polyestther terephtalate for I5
special PVC compound for I6
Cores identification: GN - BN - GY - YE - BK - BU
- RD - WH - PK
EMC shield: tinned copper braid on total - covering \geq 85%
Taping: special tape
Jacket: PUR abrasion-free compound for I5
special PVC compound for I6
colour orange RAL 2003

Type of cable

Type	Code	Formation x mm ²
I5	I5H9MXC	9 x 0,50
I6	I6H9MXC	9 x 0,50

Techinal characteristics and ratings

Service voltage: 250 V
Test voltage: 1000 V
Insulation resistance: \geq 100 Mohm x km (at 20°C)
Temperature:
service from -10°C to +70°C (for I6 type)
service from -10°C to +110°C (for I5 type)
storage from -30°C to +80°C
Min. bending radius: 90 mm
Translation speed: 180 m/min for type I5
120 m/min for type I6
Max. acceleration: 7 m/s² for type I5
4 m/s² for type I6
Flame resistance:
VDE 0472-804 B - IEC 332.1 - CEI 20-35 for I5 type
VDE 0472-804C - IEC 332-3A - CEI 20-22 II for I6 type
Oil resistance: VDE 0472-803-B (ASTM2 oil)
CNOMO E.03.40.150N -
NFT46-013 (industrial oils)
Standards: UL - CSA on request