



ARCOCAVI

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Technical Data

**ARCO - EXTRAFLEX F1 PETP - PUR
EXTRA-FLEXIBLE EMC SHIELDED CABLES
FOR SUPPLY OF FANUC BRUSHLESS
MOTORS**

Application

Supply of FANUC brushless motors
Dynamic applications

Constructional characteristics

Conductor stranding:

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

Primary insulation: PETP polyester terephthalate

Cores identification: black numbered + green/yellow

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

Taping: special tape

Jacket: polyurethane PUR abrasion-free
colour yellow RAL1023 or black RAL9005

Type of cable

Type	Code	Formation x mm ²
F1	F1K3MXC	3 x 1
F1	F1K4MXC	4 x 1
F1	F1K7MXC	7 x 1
F1	F1L4MXC	4 x 1,5
F1	F1M4MXC	4 x 2,5
F1	F1V4MXC	4 x 3,5
F1	F1V7MXC	7 x 3,5
F1	F1Q4MXC	4 x 16
F1	F1R4MXC	4 x 25

Technical characteristics and ratings

Service voltage: 1000 V power conductors

Test voltage: 3000 V power conductors

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

Temperature: service from -20°C to +110°C
storage from -40°C to +90°C

Min. bending radius: 8 x external cable diameter

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