



ARCOCAVI

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Technical Data

**ARCO - EXTRAFLEX W - O.R. - TYPE 25
EXTRA-FLEXIBLE CABLES FOR SUPPLY
OF BRUSHLESS MOTORS - SHIELDED
PETP - PUR**

Application

Supply of brushless motors
Robotics

Type of cable

Conductors sections:

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

Number of conductors: 4 - 5

Constructional characteristics

Conductor stranding:

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

Insulation: PETP polyester terephthalate

Cores identification: black numbered + GR/YE

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

Signal conductors: 2 x 1 mm² or 2 x 1,5 mm²
(on request)

Taping: special tape

Jacket: polyurethane PUR abrasion-free
oil resistant
colour orange RAL 2003

Technical characteristics and ratings

Service voltage: 450/750 V

Test voltage: 3000 V

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

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

Min. bending radius:

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

12 x external cable diam. (> 12 mm)

Flame resistance: VDE 0472 - 804 B - IEC 332.1 - CEI 20 - 35

Halogen-Free: VDE 0472 - 815 standards