



ARCOCAVI

Technical Data

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**ARCO - EXTRAFLEX 12 - 13 PVC-PUR
EXTRA-FLEXIBLE SIGNALLING AND
CONTROL CABLES - UNSHIELDED (12)
AND EMC SHIELDED (13) PUR JACKET**

Application

Signalling and control in trailing chains.
Dynamic applications.
Supply of portable tools

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 11): tinned copper braid on total
- covering $\geq 85\%$
Taping: special tape
Jacket: special PUR compound - colour grey RAL7001

Type of cable

Conductors sections:
mm² 0,5 - 0,75 - 1 - 1,5 - 2,5 - 4 - 6 - 10 - 16 - 25

Number of conductors: from 2 up to 36.

Technical characteristics and ratings

Service voltage: 300/500 V for sect. 0,50 - 1 mm²
450/750 V for sect. $\geq 1,5$ mm²
Test voltage: 2000 V for sections 0,50 - 1 mm²
3000 V for sections $\geq 1,5$ mm²
Insulation resistance: ≥ 100 Mohm x km (at 20°C)
Capacitance: abt. 107 nF/km
Temperature: service from -10°C to +70°C
storage from -30°C to +80°C
Min. bending radius:
5 x ext. cable diam. (up to 12mm)
7,5 x ext. cable diameter (>12 mm)
Translation speed: 140 m/min.
Max. acceleration: 5 m/s²
Flame resistance: VDE 0472-804B - IEC 332 -1-
CEI20-35
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