



ARCOCAVI

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Technical Data

**ARCO - EXTRAFLEX 10 - 11 PVC - PVC
EXTRA-FLEXIBLE SIGNALLING AND
CONTROL CABLES - UNSHIELDED (10)
AND EMC SHIELDED (11) PVC JACKET**

Application

Signalling and control in trailing chains Dynamic applications

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.

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 PVC compound - colour grey RAL 7001

Techinal 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: \geq 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:

10 x ext. cable diam. (\leq 12 mm)

12,5 x ext.cable diam. ($>$ 12 mm)

Translation speed: 120 m/min.

Max. acceleration: 4 m/s²

Flame resistance: VDE 0472-804C - IEC 332-3A
- CEI 20-22 II

Oil resistance: VDE 0472-803-B (ASTM2 oil)
CNOMO E.03.40.150N - NFT46-013
(for resistance to industrial oils)

Standards: UL - CSA on request