



ARCOCAVI

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Technical Data

ARCOFLEX SIGNAL **PVC**
PAIRED CABLES FOR INDUSTRIAL
INSTRUMENTATION WITH SHIELD ON TOTAL
FR2XOHR **FR2XOHR**
FR2XHOHR **FR2XHOHR**
PVC - PVC **PE - PVC**

Application

Control and signalling cables for industrial equipment.
The shielding offers a reliable electrostatic protection against external interferences.

Constructional characteristics

Conductor stranding:
flexible class 5 acc. Standards
VDE 0295 - IEC 228 - CEI 20-29
bare copper or red copper
Primary insulation: PVC 80°C resistant R2 quality or polyethylene PE
Cores identification: pair twisted blue - black and numbered
Shield on pairs: poliester tape PET +
for FR2XHOHR AL/PET tape + draining wire
and FEXHOHR
Shield on total: poliester tape PET+
AL/PET tape +draining wire
Jacket: PVC type RZ flame-oil resistant
black RAL 9005 or blue RAL 5015

Type of cable

FR2XOHR	PVC insulation	
FR2XHOHR	PVC insulation	shield on pairs
FR2XOHR	PE insulation	
FR2XHOHR	PE insulation	shield on pairs

Conductors sections:
mm² 0,50 - 0,75 - 1 - 1,5 - 2,5

Number of conductors: from 2 x 2 to 36 x 2

Technical characteristics and ratings

Rated voltage: 450/750 V
Test voltage: 3000 V
Insulation resistance: min. 100 Mohm x km (at 20°C)
Temperature: service from -10°C to +80°C
storage from -30°C to +80°C
Min. bending radius: 10 x ext. cable diam.
Flame resistance: VDE 0472-804C - IEC 332-3A -
(on request) CEI 20-22 II
Oil resistance: VDE 0472-803-B (ASTM2 oil)
(on request) Standards ENI 0181