



# ARCOCAVI

Per informazioni commerciali rivolgersi a:  
ARCOCAVI S.r.l.  
via al Peslago, 36  
22048 - Oggiono (LC)  
Tel. +39 0341 576519  
Fax +39 0341 579498  
Email info@arcocavi.com

## Technical Data

**ARCO - EXTRAFLEX F2 - F3**  
**EXTRA-FLEXIBLE EMC SHIELDED CABLES**  
**FOR SUPPLY OF FANUC SYSTEMS**  
**F2 = PVC - PVC**                      **F3 = PETP - PUR**

### **A**pplication

Supply of FANUC systems encoder  
Dynamic applications

### **C**onstructional characteristics

**Conductor stranding:**  
flexible class 5 or 6 acc. Standards  
( tinned copper ) VDE 0295 - IEC 228 - CEI 20-29  
**Primary insulation:** special PVC compound for F2  
PETP polyester terephthalate for F3  
**Cores identification:**  
3 x ( 2 x 0,18 ) mm<sup>2</sup>: (WH-RD)+(WH-BK)+(RD-BK)  
5 x ( 2 x 0,18 ) mm<sup>2</sup>: as above + (WH-GN) + (GN-BK)  
6x0,8 mm<sup>2</sup>: RD-RD-RD-BK-BK-BK  
**EMC shield:**tinned copper braid on total - covering >/= 85%  
**Taping:** special tape  
**Jacket:** special PVC compound for type F2 - PUR  
abrasion-free for F3 colour black RAL 9005

### **T**ype of cable

Type	Code	Formation x mm <sup>2</sup>
F2	F2CJ12RXC	3 x ( 2 x 0,18 ) + 6 x 0,8
F2	F2CJ16RXC	5 x ( 2 x 0,18 ) + 6 x 0,8
F3	F3CJ12RXC	3 x ( 2 x 0,18 ) + 6 x 0,8
F3	F3CJ16RXC	5 x ( 2 x 0,18 ) + 6 x 0,8

### **T**echnical characteristics and ratings

**Service voltage:** 300 V  
**Test voltage:** 1500 V  
**Insulation resistance:** >/= 100 Mohm x km ( at 20°C )  
**Capacitance:** abt. 100 pF/ m ( cond./cond. ) - abt. 150 pF/ m ( cond. / shield )  
**Temperature:**  
service from -0°C to +70°C for type F2  
service from -0°C to +110°C for type F3  
storage from -20°C to +80°C  
**Min. bending radius:** 15 x ext. cable diametre for F2  
10 x ext. cable diametre for F3  
**Translation speed:** 120 m/min for type F2 - 180 m/min for type F3  
**Max. acceleration:** 4 m/s<sup>2</sup> for type F2 - 7 m/s<sup>2</sup> for type F3  
**Flame resistance:**  
VDE 0472-804C - IEC 332-3A - CEI 20-22 II for F2 type  
VDE 0472-804 B - IEC 332.1 - CEI 20-35 for F3 type  
**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