



<b>DATA SHEET</b>	0027411
<b>UNITRONIC-FD<sup>®</sup> CY</b>	valid from : 15.07.2003

## Application

UNITRONIC-FD<sup>®</sup> CY is a screened flexible PVC cable for constantly moving employment in power chain systems, linear rotors and automatic handling machines.

The copper screening with a high coverage effectively screens out interference from inside and outside; the special PVC outer sheath supports the flexibility of the cable and prevents adhesion effects between several cables in the power chain.

## Design

Design	in support to VDE 0812
Conductor stranding	fine wired class 6 to VDE 0295
Insulation	PVC Y12 according to VDE 0207
Color code	DIN 47100
Screen	tinned copper braid, covered approx. 85 %
Outer sheath	PVC, YM2 according to VDE 0207, part 5; adhesion-free

## Electrical properties at 20° C

Working voltage (peak value)	350 V (not for high-voltage current purposes)
Test voltage (ms value)	1500 V

## Mechanical and thermal characteristics

Temperature range	- 5 °C up to +70 °C
minimum bending radius	flexing: 7,5 x cable diameter

UNITRONIC-FD<sup>®</sup> CY is flame retardant according to VDE 0482, 265-2-1 / IEC 60 332.1

elaborated by: TE-K:	Document: DB0027411_2EN	page 1 of 1
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