



DATA SHEET

0027411

UNITRONIC-FD® CY

valid from :
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Application

UNITRONIC-FD® 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® 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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