



DATA SHEET	0027841
UNITRONIC-FD®	valid from : 15.07.2003

Application

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

The special PVC outer sheath supports the flexibility of the cable and prevents adhesion effects between several cables in the power chain.

Design

Conductor stranding	fine wired class 6 to VDE 0295
Insulation	PVC YI2 according to VDE 0207
Color code	DIN 47100
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	1500 V

UNITRONIC-FD® is flame retardant according to VDE 0482, part 265-2-1 / IEC 60332.1

Mechanical and thermal characteristics

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

elaborated by: TE-K:	Document: DB0027841_2EN	page 1 of 1
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