



EIA

D I S T R I B U T I O N

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CATALOGUE

CONTROL CABLE

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Multi core PVC Flexible Control Cables

APPLICATION

PROTOFLEX® PVC control cables are specially suitable for use as flexible control cables.

- Fans and air-conditioning systems
- Machine tools
- Production and processing machines
- Industrial robots

DESIGN

PROTOFLEX® PVC control cables consist of finely stranded copper conductors with V75 PVC insulation. The high grade PVC sheath is resistant to oil, grease and chemicals.

PROTOFLEX® PVC screened control cables have a PVC inner and outer sheath with a copper braided shield between the sheaths which serves to avoid electromagnetic interference (EMC) in building systems and where equipment is in environments where Electromagnetic interference would be unacceptable.

Designed for moderate mechanical loading, in dry, damp and wet areas and in hazardous areas. Outdoor use is possible, provided that the cables are protected from direct sunlight and are permanently installed.



CURRENT-CARRYING CAPACITY

The current-carrying capacity values apply to a cable with three loaded conductors under continuous operation at an ambient temperature of up to 40°C. In all other respects, the provisions of DIN VDE 0298 Part 4 apply.

For other ambient temperatures, the current-carrying capacity

°C	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Factor	1.26	1.20	1.15	1.1	1.05	1	0.94	0.88	0.81	0.73	0.65	0.57	0.47	0.34

PERMISSIBLE TEMPERATURE

At conductor:	free-flexing	+5°C to + 70°C
	fixed	- 40°C to + 70°C
Bending radii:	fixed	4 dia
	free-flexing	7.5 dia

