Flexible Pendant station and Lift Control Cables with Support Element

APPLICATION

- Vertical suspension up to 50 mts
- Hoists
- Elevators
- Pendant Control Stations
- Special design for 150 mtr suspension plus

DESIGN

The cables construction is in accordance with the Australian Standard AS 1979 and VDE 0250.

Conductors are finely stranded copper with high grade PROTODUR PVC insulation. The conductors are arranged in concentric layers around the central suspension strand and bound overall with a textile binder and low temperature resistant PVC sheath. The overall screened version employs a tinned copper braided screen for interference suppression between the inner and outer sheath and two individually screened communication cores.

OPERATING TEMPERATURE

-	Minimum permissible ambient temperature	-30°C
-	Maximum permissible conductor temperature	75°C
-	Maximum permissible short circuit temperature	150°C
-	Minimum ambient temperature for optimum fully flexible operation	-5°C

CURRENT CARRYING CAPACITY

Current ratings are based on continuous operation at an ambient temperature of 40°C. At other temperatures these values must be converted using the following factors.

°C	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Factor	1.26	1.20	1.15	1.10	1.05	1.00	0.94	0.88	0.81	0.73	0.65	0.57	0.47	0.34

SUSPENSION LENGTH

The suspension element is able to support the cables weight for the maximum distance stated in the table with a safety factor of five.
Termination of the central support rope should be via steel core hangers or rope thimbles or alternatively with cable stocking supports.
When used on pendant controls the support should be terminated within the pushbutton enclosure.
NOTE: For installation instructions a detailed leaflet is available on request. "Installation of Lift Control Cables"

VOLTAGE RATINGS

-	Rated Voltage:	Uo/U	= 300/500V
-	Maximum operating voltages in:		
	3 phase AC operation	Uo/U	= 318/550V
	DC operation	Uo/U	= 413/825V
-	AC test voltage		= 2kV

CORE COLOUR IDENTIFICATION

All control cores are black sequentially numbered and include a green/yellow earth core.

PENDANTFLEX

Selection and ordering data

	No. of Cores x conductor Size	Part No.	Suspension Length	Travelling Speed	Approx. No. of Strands x Max. Strand Diameter	Diameter of Bare Conductor	Cable overall Diameter		Cable Weight	Unenclosed Spaced 
	mm²		mts	m/sec	mm	Max mm	Min	Max	kg/km	A
PENDANTFLEX	**7 x 1**	**5DE5 803**	up to 50	up to 1.5	30 x 0.21	1.5	11.3	13.7	190	16
	12 x 1	**5DE5 823**					15.3	18.5	340	16
	18 x 1	**5DE5 833**					15.5	18.5	370	16
	24 x 1	**5DE5 843**					18.5	21.5	540	16
	30 x 1	**5DE5 864**					20.8	23.8	680	16
	28 x 1 + 2 x 0.5FM (c)	**5DE5 715**	up to 150	up to 10	30 x 0.21	1.5	23.7	28.2	780	16
Overall Screened	**28 x 1 + 2 x 0.5FM (c)**	**5DE5 720**			30 x 0.21	1.5	24.9	29.4	910	16

FM (c) indicates individually screened control - telephone cores