



DATA SHEET

DCS16 CAT 7- PVC Flat Travelling Cable

We provide the industry with high-quality elevator cables, backed by decades of experience in the Australian market.

Our cables have been developed to provide optimum performance, maximum safety and extended life for applications requiring power and control.

Features include ease of installation for high levels of efficiency, and options for maintenance, service and modernisation.

Enquire at flexiblecables.au@siemens.com or visit www.siemens.com.au/cables for more information.

Attributes:

- Compatible with all current CAT 7 compliant connecting hardware
- Industry compatible construction and design
- Applications such as CCTV, swipe cards, security, card readers, telephone and display screens
- Capacity to provide application to multiple devices in one single cable
- Adheres to CAT 6 and CAT 7 wiring codes
- AUSTEST AS/CA S008:2010 Approvals

SIEMENS

Siemens Part Number	106188332	
Cable	DCS16	
Suspension Device	FCSD-3 100205441	Flat cable suspension device to suit DCS16

Specification	DCS16 - 4 (4x2x0.14) + steel support		
Standard reference	EN 50214-2006, GB/T5023.6-2006, IEC /EN60227-6		
Strain bearing member	2x1.8mm steel rope		
Data elements	Type		Cat.7
	Quantity		4
	Conductor	mm ²	0.14
	Loop resistance	Ω/km	Max 250 @20°C
	Insulation		Foam-PE
	Colour		Pair 1:white-blue, pair 2:white-orange Pair 3:white-green, pair 4:white-brown
	Shield		AL/PET foil around each pair, Tinned copper braid overall pairs.
	Mutual capacitance	nF/km	Nom. 43 @ 800 MHz
	Characteristic impedance	Ω	(100 ± 15) @ (1-100 MHz)
	Velocity of propagation	%	approx. 79
Jacketing	Material		PVC
Jacketing Completed cable	Normal thickness		See drawing
	Approximate weight	kg/km	392
Completed cable	Free suspension length	m	≤80
	Max. travelling height	m	≤150
	Max. travelling speed	m/s	≤6.3 (Acc. EN50214)
	Nominal diameter	mm	33.6 x8.4
	Min. Bending radius	mm	Static application 10x cable thickness
	Bending Test		Min 30000 bending cycles according to EN50214
	Test voltage		750V for data elements
	Operating temperature	°C	-20 to +70
	Acceleration	m/s ²	< 1.2