



DATA SHEET

PC20-CAT 6

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	105959736	
Cable	PC20-CAT 6	
Suspension Device	FCSD-3 100205441	Flat cable suspension device to suit PC20

Specification	4x1.5+8x2x0.22		
Standard reference	EN 50214-2006, GB/T5023.6-2006, IEC /EN60227-6		
Conductor	Material		Bare CU conductor (Class 5) according IEC 60228
	Nominal area	mm ²	1.5
	Conductor resistance	Ω/km	Max.13.3
	Quantity		4
Insulation	Material		PVC
	Normal thickness	mm	0.7
	Insulation resistance	MΩ.km	Min. 0.11
	Identification		Black with White numbered 1~3,G/Y
Data elements	Type		Cat.6 shielded pairs
	Quantity		8
	Conductor	mm ²	0.22
	Insulation		Form-PE
	Colour		Pair 1:wh-bu, Pair 2:wh-or Pair 3:wh-gn, Pair 4:wh-bn Pair 5:wh-bu, Pair 6: wh-or Pair 7:wh-gn, Pair 8: wh-bn
	Shield		AL/PET foil screen and tinned copper wires braiding
	Capacitance at 800 Hz	nF/km	Nom.43
	Impedance at 100 MHz	Ω	100 ± 5
	Velocity of propagation	%	Approx. 76
Jacketing	Material		PVC
	Normal thickness	mm	See drawing
Completed cable	Approximate weight	kg/km	397
	Nominal diameter	mm	48.8x5.3
	Min. Bending radius	mm	Static application10x cable thickness
	Bending Test		Min 30000 bending cycles according to EN50214
	Test voltage		2 kV for 1.5mm ² conductors
	Operating temperature	°C	-20 to +70
	Free suspension length	m	≤45
	Max. travelling height	m	≤80
	Max. travelling speed	m/s	≤4 (Acc. EN50214)
	Acceleration	m/s ²	<1.2