



DATA SHEET

PC28S 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	106329629	
Cable	PC28S-CAT 6	
Suspension Device	FCSD-3 100205441	

Specification	4 x 1.5+4x2x0.5+2(4x2x0.27) + Steel Support			
Standard reference	EN 50214-2006, GB/T5023.6-2006, IEC /EN60227-6			
Strain bearing member	2 xΦ1.8mm steel rope			
Conductor	Material	Bare CU conductor (Class 5) according IEC 60228		
	Nominal area	mm ²	1.5	
	Conductor resistance	Ω/km	Max .13.3 at 20°C	
	Quantity		4	
Insulation	Material	PVC		
	Normal thickness	mm	0.7	
	Insulation resistance	MΩ.km	Min. 0.11 at 70°C	
	Identification	Black with White numbered 1~3,G/Y		
Data elements	Type	Cat.7	Twisted Pair	
	Quantity	2	4	
	Conductor	mm ²	0.27	0.5
	Conductor resistance	Ω/km	Max.69	Max .39
	Insulation		PE	PE
	Colour		Pair 1:white-blue, Pair 2:white-orange Pair 3:white-green Pair 4:white-brown	Pair 1:white-blue, Pair 2:white-orange Pair 3:white-green Pair 4:white-brown
	Shield		AL/PET foil around each pair ,copper braid overall pairs	AL/PET foil+Drain wire
	Impedance		100 ± 5 Ω @ 100 MHz	/
	Nom. Capacitance	nF/km	43	/
	Velocity of propagation	%	76	/
Jacketing	Material	PVC		
	Normal thickness	See drawing		
Completed cable	Approximate weight	kg/km	690	
	Nominal diameter	mm	53x9.3	
	Bending Test		Min 30000 bending cycles according to EN50214	
	Min. Bending radius	mm	Static application10x cable thickness	
	Test voltage		2kV for 1.5mm ² conductors,750V for data elements	
	Operating temperature	°C	-20 to +70	
	Free suspension length	m	≤100	
	Max. travelling height	m	≤180	
	Max. travelling speed	m/s	≤6.3(Acc. EN50214)	
	Acceleration	m/s ²	< 1.2	