

Composite CMR Rated Access Control Cable

Lock Power + Card Reader + Door Contract + REX

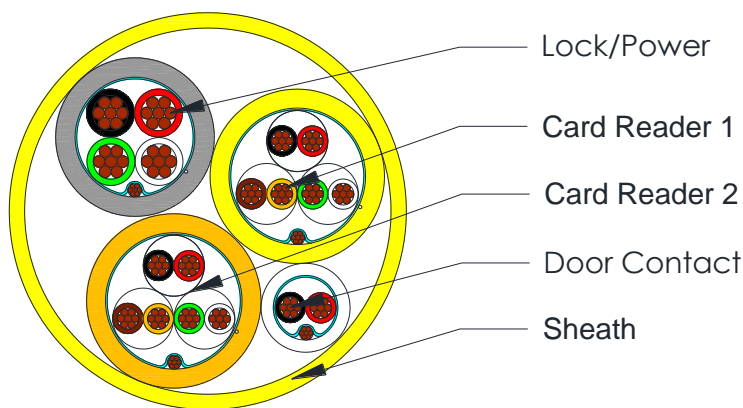


C4785

Applications

Access Control cable

Drawing



Electrical Characteristics at 20°C

Part Number	C4785		
	2 Card Readers	Door Contact	Lock/Power
Nom. DC Resistance Conductor (Ω /km)	53.5	53.8	21.3
Max. DC Resistance Screen (Ω /km)	45.6	54.8	52.2
Nominal Capacitance conductor to conductor (pF/m)	108	180	131
Nominal Capacitance conductor to rest (pF/m)	197	325	236
Max. Recommended Current (Amps)	2.0	2.2	4.0
Operating Voltage (Vrms)	300V		

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Design

Component	Unit	Properties
2 Card Readers	Conductor	Stranded Bare Copper
	Insulation	PVC Pair 1: Black+ Red Pair 2: Green+ White Pair 3: Orange + Brown
	Screen	Al/PET Tape
	Drain Wire	Tinned Copper Wire
	Rip cord	Nylon yarn
	Inner Sheath	PVC Colour: Yellow for Card Reader1 Orange for Card Reader2
Door Contact	Conductor	Stranded Bare Copper
	Insulation	PVC Black+ Red
	Screen	Al/PET Tape
	Drain Wire	Tinned copper wire
	Rip cord	Nylon yarn
	Inner Sheath	PVC Colour: White
Lock/Power	Conductor	Stranded Bare Copper
	Insulation	PVC Black+ Red + White + Green
	Screen	Al/PET Tape
	Drain Wire	Tinned copper wire
	Rip cord	Nylon yarn
	Inner Sheath	PVC Colour: Grey
Overall	Rip Cord	Nylon
	Sheath	CMR Rated PVC Colour: Yellow
	Standard Put Up Length	305 or 500 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Part Number	C4785		
Component	2 Card Readers	Door Contact	Lock/Power
Number of wires	3 pairs	2 cores	4 cores
Conductor Gauge (AWG)	22	22	18
Conductor configuration (AWG)	7×30	7×30	7×26
Nom. Diameter Dielectric	1.20	1.20	1.68
Drain Wire (AWG)	24 (7×32)	24 (7×32)	24 (7×32)
Nom. Inner Sheath Diameter(mm)	5.50	3.60	4.90
Nom. Overall Diameter(mm)	13.6		
Operating Temperature (°C)	0 to +75		
Max. Recommended Pulling Tension (N)	890		
Min. Bend Radius (install)(mm)	126		

Reference Standards

(BS) EN 50290-2	IEC 60228
UL1666 CMR Rated	RoHS directives