

# Composite CMR Rated Access Control Cable

## Lock Power + Card Reader + Door Contract + REX

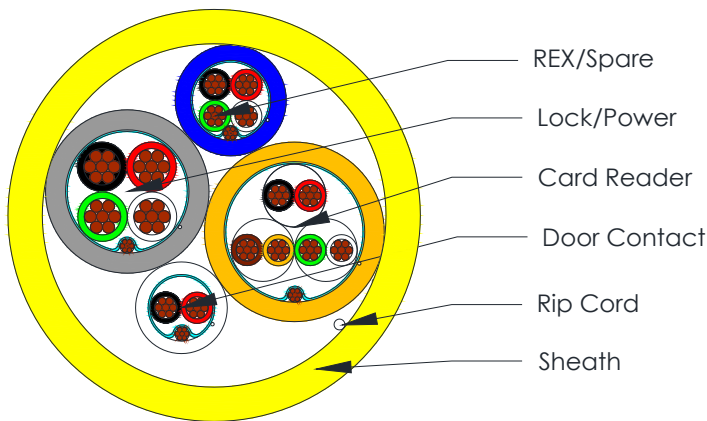


C4663

### Applications

Access Control cable

### Drawing



### Electrical Characteristics at 20°C

Part Number	C4663			
Component	Card Reader	Door Contact	Rex/Spare	Lock/Power
Nom. DC Resistance Conductor ( $\Omega$ /km)	53.5	53.8	53.8	21.3
Max. DC Resistance Screen ( $\Omega$ /km)	45.6	50.2	50.2	24.0
Nominal Capacitance conductor to conductor (pF/m)	108	180	108	138
Nominal Capacitance conductor to rest (pF/m)	197	325	194	249
Max. Recommended Current (Amps)	-	2.2	2.2	4.0
Operating Voltage (Vrms)	300V			

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Component	Unit	Properties
Card Reader	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: Orange
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
REX/Spare	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: Blue
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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### C4663 Physical Characteristics

Part Number	C4663			
Component	Card Reader	Door Contact	Rex/Spare	Lock/Power
Number of wires	3 pairs	2 cores	4 cores	4 cores
Conductor Gauge (AWG)	22	22	22	18
Conductor configuration (AWG)	7×30	7×30	7×30	7×26
Nom. Diameter Dielectric	1.20	1.20	1.20	1.63
Drain Wire (AWG)	24 (7×32)	24 (7×32)	24 (7×32)	24 (7×32)
Nom. Inner Sheath Diameter(mm)	5.50	3.25	3.73	5.00
Nom. Overall Diameter(mm)	12.0			
Cable weight (kg/km)	161			
Operating Temperature (°C)	0 to +75			
Max. Recommended Pulling Tension (N)	890			
Min. Bend Radius (install)(mm)	120			

### Reference Standards

(BS) EN 50290-2	IEC 60228
RoHS directives	