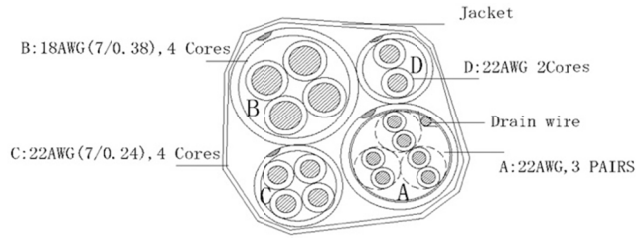


Access Control Cable (18AWG 4C + 22AWG 4C + 22AWG 2C+ 22AWG 6C) Plenum (CMP)

Cable Details



Approval



Applicable Standards

- Access Control, Power Lock, Card Reader, Door Contact and Rex/Spare (Request To Exit)
- UL 444, UL13, CMP

Physical Characteristics

Conductor Material (A)	Card Reader Orange	Stranded Bare Copper
AWG		6C x 22AWG
Conductor Diameter	(± 0.005 mm)	7/0.24
Insulation Material		Low Smoke FR PVC
Average Thickness	(mm)	0.200
Min. Point Thickness	(mm)	0.170
Insulation Dia.	(± 0.05 mm)	1.15
Twisted Pair Dia.	(± 0.02 mm)	2.3
AL-FOIL		Overlapping > 25%
Drain wire		7 x 0.18 Tinned Copper
PE-TAPE		Overlapping > 25%
Inner Jacket		Low Smoke FR PVC
Orange	(mm)	OD: 5.10 $\pm$ 0.10
Insulation colors		White / Green, Red / Black, Orange / Brown

Conductor Material (B)	Lock Power Gray	Stranded Bare Copper
AWG		4C x 18AWG
Conductor Diameter	(± 0.008 mm)	7/0.38
Insulation Material		Low Smoke FR PVC
Average Thickness	(mm)	0.3 Nom.
Min. Point Thickness	(mm)	0.170
Insulation Dia.	(± 0.05 mm)	1.55
Inner Jacket		Low Smoke FR PVC
Gray	(mm)	OD: 4.70 $\pm$ 0.10
Insulation colors		Red / Black / White / Green

Conductor Material (C)	Request/EXIT Blue	Stranded Bare Copper
AWG		4C x 22AWG
Conductor Diameter	(± 0.008 mm)	7/0.24
Insulation Material		Low Smoke FR PVC
Average Thickness	(mm)	0.2 Nom.
Min. Point Thickness	(mm)	0.170
Insulation Dia.	(± 0.05 mm)	1.15
Inner Jacket		Low Smoke FR PVC
Blue	(mm)	OD: 3.80 $\pm$ 0.10
Insulation colors		Red / Black / White / Green

Conductor Material (D)	Door Contact White	Stranded Bare Copper
AWG		2C x 22AWG
Conductor Diameter	(± 0.008 mm)	7/0.24
Insulation Material		Low Smoke FR PVC
Average Thickness	(mm)	0.2 Nom.
Min. Point Thickness	(mm)	0.170
Insulation Dia.	(± 0.05 mm)	1.15
Inner Jacket		Low Smoke FR PVC
White	(mm)	OD: 3.20 $\pm$ 0.10
Insulation colors		Red / Black

- Assembly (A+B+C+D)
- Dia: 11.5 $\pm$ 0.30(mm)

Electrical Characteristics

Max. Recommended Pulling Tension	220 N
Min Bend Installation	200 mm
Min Bend Installation	62 mm
Storage Temperature Range	-20 ~ +60°C
Installation Temperature Range	-20 ~ +60°C
Operating Temperature Range	0 ~ +50°C

Mechanical Characteristics

Test Object		Jacket
Test Material		PVC
Before	Tensile Strength (Mpa)	≥ 13.8
Aging	Elongation (%)	≥ 100
Aging Condition (°C x hrs)		100x168
After	Tensile Strength (Mpa)	$\geq 75\%$ of unaged
Aging	elongation (%)	$\geq 75\%$ of unaged
Cold Bend (-20 $\pm$ 2°C x 4hrs)		No crack

Cable Marking: XXXXXXXX ACCESS CONTROL CABLE CMP
4/18AWG 12/22AWG C (ETL) US FT6 ****FT

Part Numbers	Jacket Color	Package	Weight
CCACCESSUPXX2	XX = YL & WH	1000ft / Reel	100.31 lbs.
CCACCESSUPXX2-500	XX = YL & WH	500ft / Reel	48.50 lbs.