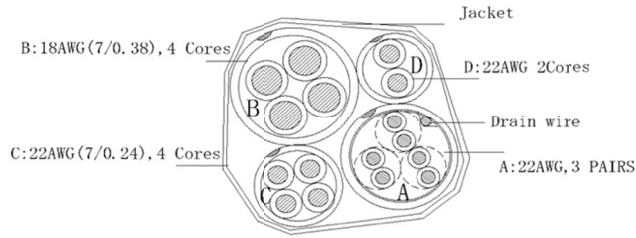


Access Control Cable (18AWG 4C + 22AWG 4C + 22AWG 2C+ 22AWG 6C) Plenum (CMP)

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	(±0.005mm)	7/0.24
Insulation Material		Low Smoke FR PVC
Average Thickness	(mm)	0.200
Min. Point Thickness	(mm)	0.170
Insulation Dia.	(±0.05mm)	1.15
Twisted Pair Dia.	(±0.02mm)	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 ± 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	(±0.008mm)	7/0.38
Insulation Material		Low Smoke FR PVC
Average Thickness	(mm)	0.3 Nom.
Min. Point Thickness	(mm)	0.170
Insulation Dia.	(±0.05mm)	1.55
Inner Jacket		Low Smoke FR PVC
Gray	(mm)	OD: 4.70 ± 0.10
Insulation colors		Red / Black / White / Green

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

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

- Assembly (A+B+C+D)
- Dia: 11.5 ± 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 (°Cxhrs)		100x168
After	Tensile Strength (Mpa)	≥75% of unaged
Aging	longation (%)	≥75% of unaged
Cold Bend (-20±2°Cx4hrs)		No crack

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

Jacket Color	Package	Weight
Yellow / White	1000FT Reel	100.31 LBS
Yellow	500FT Reel	48.50 LBS