

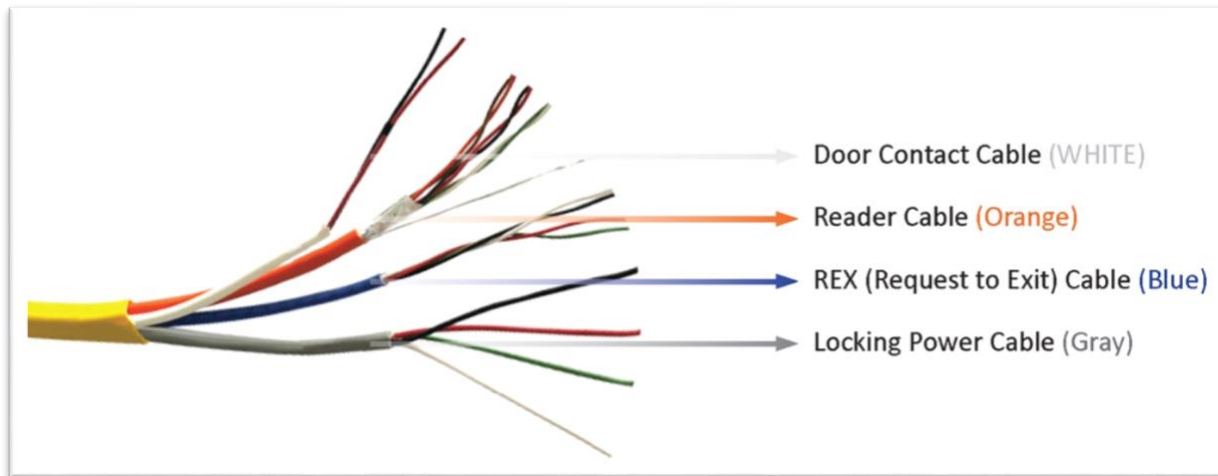
Wavenet Announces Access Control Cable

June 2021

CARSON, CALIFORNIA, June 1, 2021- Wavenet, Inc. a leading manufacturer of wire and cable products, designed for low voltage structured cabling infrastructure and telecommunications industry.

In our ever expanding product portfolio, Wavenet is proud to announce the addition of Access Control Cable. Wavenet ACC (Access Control Cable) has four (4) cables under one plenum jacket in either yellow or white in both 500' and 1,000' reels. Access Control Cable is an All-In-One Cable bundled and color coded for their design function, for fastest field installation and easy identification. Cables for Card Reader, Door Contact, Locking Power and REX (Request to Exit) devices are provided under one cable jacket.

Access Control Individual Cables are as follows



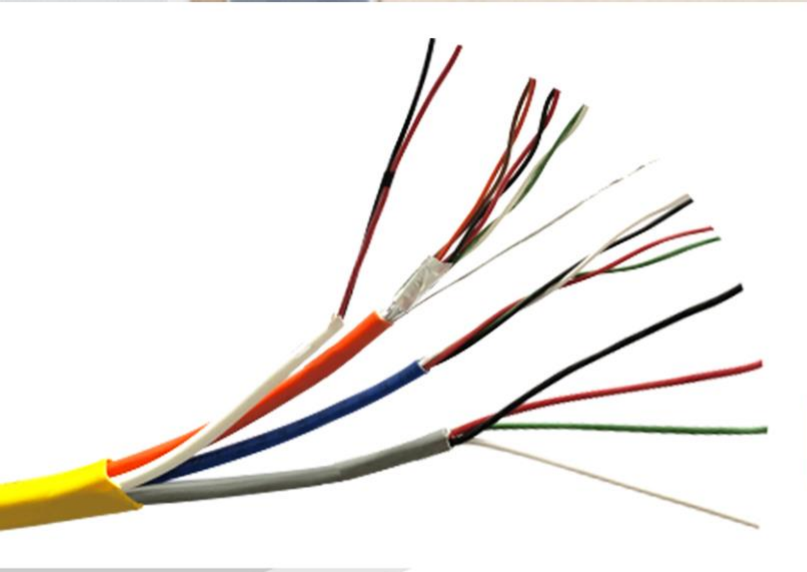
Door Contact Cable (WHITE)	22AWG/2C utilized to open/close the door contacts
Reader Cable (Orange)	22AWG/6C used for barcode, magnetic strips, computer chips or biometrics
REX (Request to Exit) Cable (Blue)	22AWG/4C is used for the electronic push button or motion detection to allow egress
Locking Power Cable (Gray)	18AWG/4C is used for the electronic locking device

Ordering Information

PART NUMBER	CABLE TYPE	AWG	# OF PAIRS/CDRS.	CDRS.	SHIELD	JACKET RATING	OUTTER JACKET COLOR	INSULATION COLORS	PACKAGE
CCACCESSUPXX2 XX = WH & YL	CARD READER	22	6C	STRANDED BC	SHIELDED	CMP	ORANGE	WH/GN, RD/BK, OR/BR	1000FT/REEL
	DOOR CONTACT	22	2C	STRANDED BC	N/S	CMP	WHITE	RD/BK	
CCACCESSUPLY2-500	LOCK POWER	18	4C	STRANDED BC	N/S	CMP	GRAY	WH/GN, RD/BK	500FT/REEL
	REX	22	4C	STRANDED BC	N/S	CMP	BLUE	RD/BK	

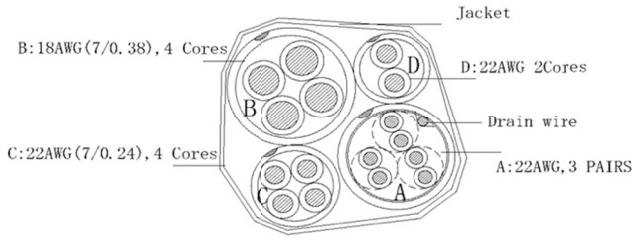
Access Control Cable

Plenum Rated - CMP



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

Part Numbers	Jacket Color	Package
CCACCESSUPXX2	XX = YL & WH	1000ft / Reel
CCACCESSUPYL2-500	YL = YELLOW	500ft / Reel