

Detailed Specifications & Technical Data

AC251822B3P



Note: Color Code of the Reader Cable to Change April 2023. See new color code below.

Older Product will continue to be sold and shipped until stock is depleted.

2 COND 22 AWG + 4 COND.18 AWG + 4 COND.22 AWG. + 3 PAIR 22 AWG SHLD. FLEX PLENUM Yellow Jacket
Access Control Complete Design: Reader, Lock Power, REX, Door Contact

Construction & Dimensions

Component	Card Reader	Door Contact	Request To Exit	Lock Power
CONDUCTOR PARAMETER				
Number of Conductors	-	2	4	4
Number of Pairs	3	-	-	-
AWG Size	22	22	22	18
Conductor Stranding	7 x 30	7 x 30	7 x 30	7 x 26
Conductor Type	Bare Copper	Bare Copper	Bare Copper	Bare Copper
Nominal DCR	17 Ω/1000 ft	17 Ω/1000 ft	17 Ω/1000 ft	6.2 Ω/1000 ft
INSULATION PARAMETER				
Insulation Type	Plenum PVC	Plenum PVC	Plenum PVC	Plenum PVC
Insulation Thickness	0.007 in	0.007 in	0.007 in	0.007 in
Insulation Color Code	1. Black, Red, 2. White, Green, 3. Brown, Orange See Drawing A	1. Black, 2. Red	1.Black, 2. Red, 3.White, 4. Green	1. Black, 2. Red, 3. White, 4. Green
SHIELDING PARAMETER				
Shield Type	Overall 100% Aluminum Foil	None	None	None
Drain Wire Type	Tinned Copper	-	-	-
Drain Wire AWG	24 AWG	-	-	-
ELECTRICAL CHARACTERISTICS				
Nom. Cap. Between Conductors	34 pF/ft	27 pF/ft	27 pF/ft	34 pF/ft
Nom. Cap. Conductor to Shield	67 pF/ft	-	-	-
INNER JACKET COLOR				
	Orange	White	Blue	Gray

OVERALL CONSTRUCTION PARAMETERS	
Total Number of Conductors	16
Jacket Type	Flexible Plenum
Nominal Cable O.D.	0.44 in
Plenum	Yes
NEC UL Rating	CMP
RoHS Compliant	Yes
Bend Radius	3.96 in
Cable Weight	98 lbs

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	
UL Flammability	NFPA 262 Plenum
Operating Range	0 to 75° C
UL Voltage Rating	300



AC251822B3P

RELATED PRODUCTS

Non Plenum Number	AC1822
-------------------	--------

Part Number

AC251822B3PYE1000	Yellow Jacket 1000 ft Wooden Reel
AC251822B3PYE500	Yellow Jacket 500 ft Wooden Reel

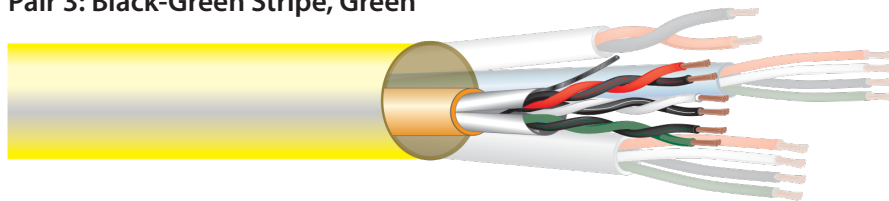
Drawing A

AC251822B3P - Original Reader Color Code

Pair 1: Black-Red Stripe, Red

Pair 2: Black-White Stripe, White

Pair 3: Black-Green Stripe, Green



AC251822B3P - New Reader Color Code

Pair 1: Black, Red

Pair 2: White, Green

Pair 3: Brown, Orange

