

2833 West Chestnut Street Washington, PA 15301 Toll Free: (800) 245-4964 Fax: (724) 222-6420 www.westpenn-wpw.com

Technical Data Sheet Access Control Flexible Plenum



PART NUMBER:	AC251822B3P
DESCRIPTION:	Access Control Composite Cable: Card Reader Cable, REX Cable, Lock Power Cable, Door Contact Cable. Overall Jacket
NEC RATING:	СМР
APPROVALS:	(UL) C(UL) Listed
APPLICATION:	Indoor within ducts, plenums and other spaces used for environmental air for: (Access Control)

Construction Parameters: Card Reader

Conductor	22 AWG Bare Copper
Stranding	7x30
Insulation Material	Polymer Alloy Thermoplastic
Insulation Thickness	PVC: 0.010" Nom.
Number of Conductors	3 Pair
Shield	Overall Shield
Drain	Yes
Jacket Material	Plenum PVC
Jacket Thickness	.015"
Overall Cable Diameter	0.211" Nom.
Jacket Color	Orange
Electrical Parameters: Card Reader	<u>.</u>
Nom. D.C.R.	17 ohms/1000ft
Nom. Capacitance pf/ft.	55pf/ft*, 99pf/ft**
Nom. Capacitance pi/it.	
	Capacitance between conductorsCapacitance between one conductor and the other to the shield
	Capacitance between one conductor and the other to the sineid
Construction Parameters: Door Contact	
Construction Parameters: Door Contact	
Construction Parameters: Door Contact Conductor	22 AWG Bare Copper
Conductor	22 AWG Bare Copper 7x30
	7x30
Conductor Stranding	
Conductor Stranding Insulation Material	7x30 Polymer Alloy Thermoplastic
Conductor Stranding Insulation Material Insulation Thickness	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom.
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None None
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None None Plenum PVC
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None None Plenum PVC .015"
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness Overall Cable Diameter Jacket Color	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None Plenum PVC .015" 0.110" Nom.
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness Overall Cable Diameter Jacket Color Electrical Parameters: Door Contact	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None Plenum PVC .015" 0.110" Nom. White
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness Overall Cable Diameter Jacket Color	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None None Plenum PVC .015" 0.110" Nom.
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness Overall Cable Diameter Jacket Color Electrical Parameters: Door Contact	7x30 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 2 None Plenum PVC .015" 0.110" Nom. White

Construction Parameters: Request to Exit Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness Overall Cable Diameter Jacket Color Electrical Parameters: Request to Exit Nom. D.C.R.	22 AWG Bare Copper 7x30 Polymer Alloy Thermoplastic PVC: 0.010'' Nom. 4 None None Plenum PVC .015'' 0.148'' Nom. Blue 17 ohms/1000ft
Construction Parameters: Lock Power	
Conductor Stranding Insulation Material Insulation Thickness Number of Conductors Shield Drain Jacket Material Jacket Thickness Overall Cable Diameter Jacket Color Electrical Parameters: Lock Power Nom. D.C.R.	18 AWG Bare Copper 7x26 Polymer Alloy Thermoplastic PVC: 0.010" Nom. 4 None None Plenum PVC .015" 0.189" Nom. Gray 6.2 ohms/1000ft
Overall Cable Assembly: Overall Cable Diameter All conductor Colors Jacket Material Jacket Color	.450" Black, Red, White, Green, Brown, Blue Plenum PVC Yellow

Specification Issue Date: 2/09

RoHS Compliant

This document is the property of West Penn Wire. The information contained herein is considered Proprietary and not to be reproduced by any means Without written consent of West Penn Wire Standard Lengths are 1000ft. The Jacket is sequentially footmarked. The information presented here is, to the best of our knowledge, is true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise.

Yes