

ACCESS CONTROL CABLE

22 AWG/3P (SHIELDED) + 18 AWG/4C 22 AWG/4C + 22 AWG/2C



DESCRIPTION

Access Control Panel Cable, CMR Rated,
3P x 22-AWG Shielded / 4 x 18-AWG / 4 x 22-AWG /
2 x 22-AWG, Stranded Bare Copper Conductors.

FEATURES

- For Access Control Panels, Security Panels, Card Readers, Sensors, Keypads, Power, Microphones, Speakers, Alarm Systems
- 3 Pair x 22-AWG / 4 x 18-AWG / 4 x 22-AWG / 2 x 22-AWG Stranded Bare Copper Conductors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- CMR/CL3R Rated
- ETL listed



214-2325/GR

TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Conductor Material:	Stranded Bare Copper
Insulation Material:	Polyvinyl Chloride (PVC)
Jacket Material:	Polyvinyl Chloride (PVC)
Rip Cord:	5 (Nylon)

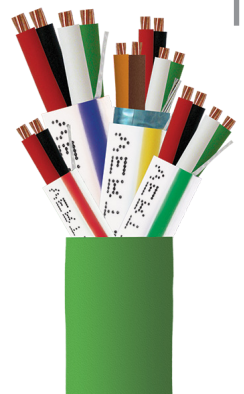
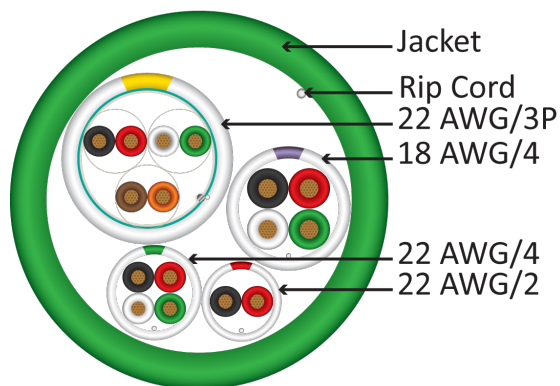
COMPONENT 1 (3P x 22-AWG)

Conductors:	3 Twisted Pairs / 6 Conductors
Insulation Thickness:	0.0075 in. (0.19 mm)
Insulation Outer Diameter:	0.0433 in. (1.10 mm)
Jacket Color:	White with Yellow Stripe
Screen:	Foiled
PE Tape:	Yes
Drain Wire (Tinned Copper):	0.0157 in. (0.40 mm)
Insulation Color Coding:	P1: Black & Red P2: White & Green P3: Brown & Orange
Jacket Thickness:	0.0197 in. (0.50 mm)
Outer Diameter:	0.2125 in. (5.40 mm)
Jacket Marking:	VERTICAL 5024318 cETLus CMR/CL2R 75C SECURITY C 22/2 22AWG 3P STRANDED SHIELDED ALARM/STATION WIRE CABLE RoHS XXXXFT

COMPONENT 2 (4 x 18-AWG)

Conductors:	4 Conductors
Jacket Color:	White with Purple Stripe
Insulation Color Coding:	Black, Red, White, Green
Insulation Thickness:	0.0118 in. (0.30 mm)
Insulation Outer Diameter:	0.0669 in. (1.70 mm)
Jacket Thickness:	0.0197 in. (0.50 mm)
Outer Diameter:	0.2008 in. (5.10 mm)
Jacket Marking:	VERTICAL 5024318 cETLus AUDIO CABLE 18AWG 4 COND. 16 STRANDED OXYGEN FREE SUN RES CMR FT4 CL3R RoHS XXXXFT

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VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



verticalcable.com

Rev. 2/2024
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CONTINUED FROM PREVIOUS PAGE...

COMPONENT 3 (4 x 22-AWG)

Conductors:	4 Conductors
Jacket Color:	White with Red Stripe
Insulation Color Coding:	Black, Red, White, Green
Insulation Thickness:	0.0075 in. (0.19 mm)
Insulation Outer Diameter:	0.0433 in. (1.10 mm)
Jacket Thickness:	0.0177 in. (0.45 mm)
Outer Diameter:	0.1417 in. (3.60 mm)
Jacket Marking:	VERTICAL 5024318 cETLus CMR/CL2R 75C 22AWG 4C STRANDED ALARM/STATION WIRE CABLE RoHS XXXXFT

COMPONENT 4 (2 x 22-AWG)

Conductors:	2 Conductors
Jacket Color:	White with Red Stripe
Insulation Color Coding:	Black, Red
Insulation Thickness:	0.0075 in. (0.19 mm)
Insulation Outer Diameter:	0.0433 in. (1.10 mm)
Jacket Thickness:	0.0177 in. (0.45 mm)
Outer Diameter:	0.1220 in. (3.10 mm)
Jacket Marking:	VERTICAL 5024318 cETLus CMR/CL2R 75C 22AWG 2C STRANDED ALARM/STATION WIRE CABLE RoHS XXXXFT

OVERALL JACKET

Material:	Polyvinyl Chloride (PVC)
Outer Diameter:	0.47 in. (12.00 mm)
Average Thickness:	0.0248 in. (0.63 mm)
Marking:	VERTICAL 4001453 cETLus 2C/22 AWG + 4C/22 AWG + 4C/18 AWG + 3P/22 AWG SHIELDED - BUNDLED TYPE CMR FT4 75C RoHS XXXXFT

ELECTRICAL

Voltage Rating:	300 V _{RMS}
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MECHANICAL

Before Tensile Strength (Mpa):	≥13.8
Aging Elongation (%):	≥100
Aging Condition (°Cxhrs):	100x168
After Tensile Strength (Mpa):	≥85% of unaged
Aging Elongation (5):	≥50% if unaged
Cold Bend (-20±2°Cx4hrs):	No Crack

ENVIRONMENTAL

Operating temperature:	-4 °F–167 °F (-20 °C–75 °C)
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WEIGHT

63 lb (28.6 kg)

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