

CONTROL CABLE (CMP)

22 AWG 2 CONDUCTOR Shielded (Data) + 18 AWG 2 CONDUCTOR (Power)



214-2320/P/TL

22 AWG

Conductors (Stranded)	2 (7 Strand)
Diameter	7 x 0.01 in. (7 x 0.254 mm ±0.01)
Material	Bare Copper
Insulation Material	FEP
Insulation Diameter	0.083 in. (2.1 mm ±0.1)
Insulation Average Thickness	0.025 in. (0.65 mm)
Insulation Min. Thickness	0.022 in. (0.55 mm)
Insulation Colors	Blue, White
Drain Wire (Stranded Tinned Copper)	7 x 0.008 in. (7 x 0.2 mm ±0.01)
Shield	AL-PET
Segregate Material	PET

18 AWG

Conductors (Stranded)	2 (7 Strand)
Diameter	7 x 0.015 in. (7 x 0.386 mm ±0.01)
Material	Bare Copper
Insulation Material	FEP
Insulation Diameter	0.073 in. (1.85 mm ±0.1)
Insulation Average Thickness	0.013 in. (0.32 mm)
Insulation Min. Thickness	0.011 in. (0.28 mm)
Insulation Colors	Red, Black
Overall Tape	PET
Rip Cord	DuPont Kevlar

Outer Jacket

Material	PL-PVC
Diameter	0.23 in. (5.8 mm ±0.4)
Average Thickness	0.016 in. (0.40 mm)
Min. Thickness	0.015 in. (0.38 mm)
Color	Teal with Yellow Stripe

Ratings/Approvals

UL 444 CMP by (UL), NEC Article 800, CSA C22.2 by c(UL)/RoHS, Made in China, Type CMP/CL3P, RoHS Compliant
Flame Test: NFPA 262 (UL 910)/CSA FT6

Jacket Print

22AWG*1P SHIELD+18AWG*2C 75C MM/DD/YYYY RoHS COMPLIANT
Sequential Foot Markers

Available in 1000ft Wooden Spool

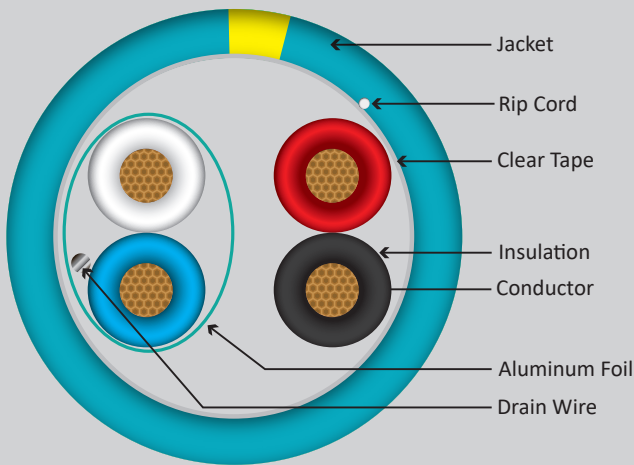


DESCRIPTION

CONTROL CABLE Plenum: 22/2 (Shielded) Data + 18/2 Power, Stranded Bare Copper Conductors, Teal with Yellow Stripe, 1000ft Spool

APPLICATION

- Touch Panels, Key Pads
- Expansion Modules, Tuners
- Indoor Applications
- Power Limited Control Circuits



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York

www.verticalcable.com

Rev. 11/2023

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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PERFORMANCE

Electrical Characteristics

22/2 Data

Capacitance(pF/ft)	14
Impedance(Ω)	100
DC Resistance(Ω /Mft)	17.5 @68°F
Velocity of Propagation (%)	66%

18/2 Power

Capacitance(pF/ft)	29.4
Impedance(Ω)	63
DC Resistance(Ω /Mft)	6.92 @68°F
Velocity of Propagation (%)	55%

Max Voltage Rating	300 V (not for power purposes)
Operating Temperature Range	-20°C to +75°C
Capacitance Conductor to Conductor	40 pF/m Nom
Capacitance Conductor to Shield	90 pF/m Nom
Impedance	
22 AWG	100 Ω \pm 20
18 AWG	63 Ω
Water Capacitance	
22 AWG	31.4pF/FT
18 AWG	150pF/FT
Velocity of Propagation	
22 AWG	66% Nom
18 AWG	47%
DCR 20°C	
22 AWG	16.9 Ω /1000ft (55.4 Ω /Km)
18 AWG	6.66 Ω /1000ft (21.9 Ω /Km)
Smoke and Fire	CL3P

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