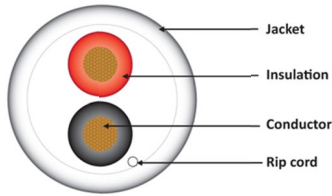


Control Cable 18AWG 2C

Plenum (CMP) Unshielded Stranded

Cable Detail



Approval



Applicable Standards

- Power-limited control circuits
- Wiring of the following systems: Security / Audio / Background music
- Reference Standard: UL 444 / ETL: CL2P/CMP

Physical Characteristics

Conductor Material		Stranded Bare Copper
AWG		18
Conductor	(mm)	7 / 0.4
Composing	(0.400±0.01)	7*0.400
Diameter	(mm)	7*0.400
Insulation Material		FR-PVC
Average Thickness	(mm)	0.200
Min. Point Thickness	(mm)	0.170
Insulation Diameter	(mm)	1.75±0.01
Nominal Wall	(mm)	0.245
Assembly Dia.	(±0.2mm)	3.2
Cable Core		2C
Cable-Unit		Unit 1-2
Min. Sheath Thickness	(mm)	0.35
Nom. Overall Diameter	(mm)	4.5±0.5
Jacket Material		Low Smoke FR-PVC
Average Thickness	(mm)	0.38
Min. Point Thickness	(mm)	0.34
Outer Dia.	(±0.2mm)	3.96
Rip Cord		Yes
Insulation colors		Black / Red
Nominal Weight	1000 ft.	19 lbs.

Electrical Characteristics

Capacitance	130 Pf/m
DC Resistance (Ω/km) Max	≤22.5Ω/1000m
Spark Test	2.5 kv
Dielectric Test	2 kv/min
Suggested Voltage Rating	DC 300V/min
Max. Recommended Pulling Tension	120 N
Min Bend Installation	35 mm
Storage Temperature Range	-20 ~ +60°C
Installation Temperature Range	0 ~ +50°C
Operating Temperature Range	-20 ~ +60°C

Mechanical Characteristics

Test Object	Jacket	
Test Material	PVC	
Before	Tensile Strength (Mpa)	≥17.2
Aging	Elongation (%)	≥100
Aging Condition (°Cxhrs)		100x168
After	Tensile Strength (Mpa)	≥85% of unaged
Aging	elongation (%)	≥50% of unaged
Cold Bend (-20±2°Cx4hrs)		No crack

Cable Marking

18AWG 2C UNSHIELDED CMP/CL2P TYPE XXXXXXXX C(ETL)US
****FT

Part Numbers	Jacket Color	Package
CC1802UPWH4	White	1000 ft / Reelex II