



## Technical Specifications

Product Line: 18-2C-P

### Description

2 conductor 18 AWG stranded, twisted, and unshielded cable

NEC type CMP and CEC type CMP FT6. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

### Conductor

18 AWG

7-strand annealed bare copper conductors

Diameter: 0.0454" | 1.15mm

### Insulation

Plenum rated polyvinyl chloride

Wall thickness: 0.008" | 0.20mm

Diameter: 0.061" | 1.56mm

### Color Code

Black, Red

### Assembly

2 conductors twisted

Lay length: 3.0" | 80mm

4.0 twists per foot | 12.5 twists per meter

### Construct

Ripcord under jacket

### Shield

N/A

### Jacket

Plenum rated polyvinyl chloride

Colors: Natural White, Yellow, Black, Green

Wall thickness: 0.014" | 0.36mm

Diameter: 0.154" | 3.92mm

Specification Revision Date:

### Electrical

DC resistance: 6.92  $\Omega$  / 1000' | 22.7  $\Omega$ /KM

Mutual capacitance: 29.3 pF/FT | 96.11 pF/M

Impedance: 63  $\Omega$

Inductance: 0.15 $\mu$ H/FT | 0.49 $\mu$ H/M

Velocity of Propagation: 55%

Voltage rating: 300V

Maximum current: 3.75A@25 °C

### Regulatory

NEC: CMP 75 °C

CEC: CMP FT6 60 °C

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 20 Lbs/1000' | 30 Kg/KM

### Installation

Pull Tension: 26 Lbs | 116 N

Bend radius: 1.54" | 40mm unloaded

Bend radius: 3.08" | 80mm loaded

Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32 °F | 0 °C ambient temperature

### Applications

Plenum general purpose, security and low voltage power

Plenum commercial and residential speaker level audio

Plenum 70V commercial speaker audio

Plenum Class 2 and 3 power

### Performance

Speaker level audio to 30 feet

### Final Outside Diameter (inches)

0.154

July 7, 2006

