



## Technical Specifications

**Product Line: 16-2C-VAN**

### Description

2 conductor 16 AWG stranded, twisted, and unshielded cable

NEC type CMR and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

### Conductor

16 AWG

26-strand annealed bare copper conductors

Diameter: 0.0589" | 1.50mm

### Insulation

Semi-rigid polyvinyl chloride

Wall thickness: 0.016" | 0.41mm

Diameter: 0.091" | 2.31mm

### 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

Polyvinyl chloride

Colors: Purple with yellow stripe

Wall thickness: 0.032" | 0.81mm

Diameter: 0.252" | 6.40mm

Specification Revision Date:

### Electrical

DC resistance: 4.04  $\Omega$  / 1000' | 13.25  $\Omega$ /KM

Mutual capacitance: 26.7 pF/FT | 87.57 pF/M

Impedance: 74  $\Omega$

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

Velocity of Propagation: 55%

Voltage rating: 300V

Maximum current: 6.25A@25° C

### Regulatory

NEC: CMR 75° C

CEC: CMG FT4 60° C

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 39 Lbs/1000' | 59 Kg/KM

### Installation

Pull Tension: 42 Lbs | 187 N

Bend radius: 2.52" | 64mm unloaded

Bend radius: 5.04" | 128mm loaded

### Applications

Riser low capacitance lighting bus control

Riser commercial and residential speaker level audio

Non-plenum 70V commercial speaker audio

Non-Plenum Class 2 and 3 power

### Performance

Vantage® Lighting Control

Speaker level audio to 50 feet

### Final Outside Diameter (inches)

0.252

April 6, 2005

