



Technical Specifications

Product Line: 24-4P-SH

Description

4 pair 24 AWG stranded, twisted, and shielded cable

NEC type CM 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

24 AWG

7-strand tinned annealed bare copper conductors

Diameter: 0.024" | 0.61mm

Insulation

Polyethylene

Wall thickness: 0.0105" | 0.27mm

Diameter: 0.045" | 1.14mm

Color Code

Pair 1: Orange, White/orange stripe

Pair 2: Blue, White/blue stripe

Pair 3: Green, White/green stripe

Pair 4: Brown, White/brown stripe

Assembly

Pair lay length: 4.0" | 100mm

3.0 twists per foot | 10.0 twists per meter

Construct

100% Polyester tape binder

Shield

100% aluminum/polyester tape foil in

24 AWG 7-strand tinned copper drain

Jacket

Flame retardant polyvinyl chloride

Colors: Teal Green

Wall thickness: 0.022" | 0.56mm

Diameter: 0.240" | 6.10mm

Specification Revision Date:

Electrical

DC resistance: 26.5 Ω / 1000' | 86.92 Ω /KM

Mutual capacitance: 19.0 pF/FT | 62.32 pF/M

Impedance: 100 Ω

Velocity of Propagation: 66%

Voltage rating: 300V

Maximum current: 1.4A@25°C

Regulatory

NEC: CMR 75°C

CEC: CMG FT4 60°C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 42 Lbs/1000' | 63 Kg/KM

Installation

Pull Tension: 32 Lbs | 143 N

Bend radius: 2.40" | 61mm unloaded

Bend radius: 4.80" | 122mm loaded

Applications

General purpose RS-232C and RS-422 full duplex

General purpose low voltage, security and control

Performance

RS-232 50 feet by standard

Note: Tested up to 300 feet

Final Outside Diameter (inches)

0.240

August 14, 2008

