



Technical Specifications

Product Line: 24-2P-485

Description

2 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

Foam polyethylene

Wall thickness: 0.025" | 0.635mm

Diameter: 0.074" | 1.88mm

Color Code

Pair 1: Blue, White/Blue

Pair 2: Orange, White/Orange

Assembly

Pair lay length: 1.0" | 25.4mm

12.0 twists per foot | 80 twists per meter

2 pairs cabled on a common axis

Construct

Ripcord under jacket

Shield

Shield 1: 100% aluminum/polyester tape foil out

Shield 2: 90% 16/10/36 AWG tinned copper braid

24 AWG 7-strand tinned copper drain

Jacket

Polyvinyl chloride

Colors: Black, Gray

Wall thickness: 0.030" | 0.76mm

Diameter: 0.326" | 8.28mm

Specification Revision Date:

Electrical

DC resistance: 25.67 Ω / 1000' | 84.20 Ω /KM

Shield DCR: 2.4 Ω / 1000' | 7.87 Ω /KM

Mutual capacitance: 11.2 pF/FT | 34.44 pF/M

Shield capacitance: 19.5 pF/FT | 62.32 pF/M

Impedance: 120 Ω

Velocity of Propagation: 78%

Voltage rating: 300V

Maximum current: 1.6A@25°C

Regulatory

NEC: CM 75°C

CEC: CMG FT4 60°C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 56 Lbs/1000' | 84 Kg/KM

Installation

Pull Tension: 52 Lbs | 231 N

Bend radius: 3.26" | 83mm unloaded

Bend radius: 6.52" | 166mm loaded

Applications

General purpose full duplex RS-485 and DMX-512

General purpose low voltage control, RS-422, RS-232C signaling

Performance

DMX-512 Standard is 4,000 feet

Recommended maximum is 1,200 feet

Final Outside Diameter (inches)

0.326

September 5, 2007

