



Technical Specifications

Product Line: **24-2P-STAR**

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

41-strand tinned annealed bare copper conductors

Diameter: 0.024" | 0.61mm

Insulation

Polyethylene

Wall thickness: 0.016" | 0.41mm

Diameter: 0.056" | 1.42mm

Color Code

Pair 1: Dark blue, Light blue

Pair 2: White, Yellow

Assembly

4 conductors cabled in a special lay

Each pair cabled opposite its mate in a cotton filler

Construct

Cotton thread filler

Shield

96% 16x7/38 AWG tinned copper braid

Jacket

Flexible flame retardant polyvinyl chloride

Colors: Black, Blue, Red

Wall thickness: 0.043" | 1.09mm

Diameter: 0.240" | 6.10mm

Specification Revision Date:

Electrical

DC resistance: 28.6 Ω / 1000' | 93.81 Ω /KM

Shield DCR: 4.3 Ω / 1000' | 14.10 Ω /KM

Capacitance: 46.0 pF/FT | 150.88 pF/M

Shield capacitance: 57.0 pF/FT | 186.96 pF/M

Impedance: 44 Ω

Velocity of Propagation: 66%

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: 36 Lbs/1000' | 54 Kg/KM

Installation

Pull Tension: 30 Lbs | 133 N

Bend radius: 2.40" | 61mm unloaded

Bend radius: 4.80 | 122mm loaded

Applications

Microphone audio and tactical microphone use
general purpose line level balanced audio

Performance

Assuming 600 Ω source impedance:

Microphone Audio is 300 feet

Final Outside Diameter (inches)

0.240

August 28, 2008

