Technical Specifications

Product Line: 9020127

Description

Composite cable consisting of a 22 AWG stranded, twisted and shielded data triad and a 14 AWG stranded, twisted, and unshielded power pair overall jacketed

NEC type CL3P. Product manufactured compliant to the requirements of UL13 for installations and applications in accordance with NEC article 725.

Component 1:

22 AWG data triad
7-strand annealed bare copper conductors
Foam fluorinated ethylene propylene insulation
Wall thickness: 0.019" | 0.51mm
Diameter: 0.068" | 1.73mm
100% aluminum/poly shield foil in
24 AWG 7-strand tinned copper drain wire

Component 2:

14 AWG power pair
41-strand annealed bare copper conductors
Plenum rated polyvinyl chloride insulation
Wall thickness: 0.009" | 0.23mm
Diameter: 0.092" | 2.34mm

Color Code

Data triad: Orange, Orange w/White stripe, Brown
Power pair: Red, Black

Assembly

Shielded data triad and power pair cabled on a common axis

Construct

Ripcord under jacket

Shield

See individual component descriptions

Jacket

Plenum rated polyvinyl chloride
Colors: Yellow with a black stripe
Wall thickness: 0.018" | 0.46mm
Diameter: 0.266" | 6.76mm

Electrical

22 AWG DCR: 16.6 Ω / 1000' | 54.2 Ω/KM
Mutual capacitance: 12.0 pF/FT | 39.4 pF/M
Shield DCR: 22.5 Ω / 1000' | 73.8 Ω/KM
Impedance: 107 Ω
Voltage rating: 300V
14 AWG DCR: 2.07 Ω / 1000' | 6.79 Ω/KM
Maximum current: 8A@25˚C

Regulatory

NEC: CL3P 75˚C
EU RoHS-2 2011/65/EU Compliant

Packages

Reel: 1000' | 305M
Weight: 59 Lbs/1000' | 88 Kg/KM

Installation

Pull Tension: 86 Lbs | 383 N
Bend radius: 2.66" | 68mm unloaded
Bend radius: 5.32" | 136mm 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

Somfy Systems plenum control cable
Plenum RS-232C, RS-485 simplex data and control
Plenum control and communication cable

Performance

14 AWG power: 1000 feet maximum

Final Outside Diameter (inches)

0.266

Specification Revision Date: January 20, 2016