

Technical Specifications

Product Line: 9020126

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 CL3R. 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
 Foamed polyethylene 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

Electrical

22 AWG DCR: 16.6 Ω / 1000' | 54.2 Ω/KM
 Mutual capacitance: 12.5 pF/FT | 41.0 pF/M
 Shield DCR: 22.5 Ω / 1000' | 73.8 Ω/KM
 Impedance: 100 Ω
 Voltage rating: 300V
 14 AWG DCR: 2.07 Ω / 1000' | 6.79 Ω/KM
 Maximum current: 8A@25°C

Component 2:

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

Regulatory

NEC: CL3R 75°C
 EU RoHS-2 2011/65/EU Compliant

Color Code

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

Packages

Reel: 1000' | 305M
 Weight: 56 Lbs/1000' | 84 Kg/KM

Assembly

Shielded data triad and power pair cabled on a common axis

Installation

Pull Tension: 86 Lbs | 383 N
 Bend radius: 2.84" | 73mm unloaded
 Bend radius: 5.68" | 145mm loaded

Construct

Ripcord under jacket

Applications

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

Shield

See individual component descriptions

Performance

14 AWG power: 1000 feet maximum

Jacket

Polyvinyl chloride
 Colors: Yellow
 Wall thickness: 0.027" | 0.69mm
 Diameter: 0.284" | 7.21mm

Final Outside Diameter (inches)

0.284

Specification Revision Date:

January 20, 2016