



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(s) 725 and 800.

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 III 2015/863/EU Compliant
REACH (EC) No 1907/2006 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, White
Wall thickness: 0.027" | 0.69mm
Diameter: 0.284" | 7.21mm

Final Outside Diameter (inches)

0.284

Specification Revision Date:

January 20, 2016