



**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(s) 725 and 800.

**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

**Electrical**

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

**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

**Regulatory**

NEC: CL3P 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: 59 Lbs/1000' | 88 Kg/KM

**Assembly**

Shielded data triad and power pair cabled on a common axis

**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

**Construct**

Ripcord under jacket

**Applications**

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

**Shield**

See individual component descriptions

**Performance**

14 AWG power: 1000 feet maximum

**Jacket**

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

**Final Outside Diameter (inches)**

0.266

Specification Revision Date:

January 20, 2016