

SDN Low-voltage Motor Power and Data Cable

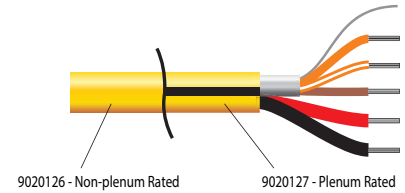
Item #: 9020126, 9020127



OVERVIEW:

The **SDN Low-voltage Motor Power and Data Cable** is the power and communication backbone that connects low-voltage Somfy Digital Network™ (SDN) RS485 motors including the Sonesse® ULTRA 50 DC RS485 motor and Sonesse® 30 RS485 Motor to Somfy's Power Panel for SDN. Within a single jacket, this cable includes (1) 14 AWG power pair, (1) 22 AWG stranded, twisted and shielded data triad and (1) 24 AWG drain wire for the most reliable data communication on the market. With this cable, motor wiring runs can reach up to 240 ft. This cable is offered in plenum rated and non-plenum rated versions.

Purchase cable from Liberty AV Solutions



SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

Somfy Digital Network (SDN) is Somfy's intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable, and suitable for both small and large projects, and the same components are used whether an SDN system remains standalone, integrated into third party automation systems, or with Somfy's animeo® IP automated total solar management system.

TECHNICAL SPECIFICATIONS:

Electrical Specifications:	9020126	9020127
22 AWG Data Triad		
Conductor DCR:	16.6 Ω /1,000 ft.	15.7 Ω /1,000 ft.
Capacitance:	12.5 pF/ft.	12 pF/ft.
Impedance:	100 Ω	107 Ω
14 AWG Power Pair		
Conductor DCR:	2.7 Ω /1,000 ft.	4.05 Ω /1,000 ft.
Max voltage:	300V	
Max current:	8A@77°F	
Cable diameter:	0.284 in. (7.21 mm)	0.277 in. (7.04 mm)
Cable jacket:	Yellow	Yellow w/ black stripe
Cable jacket material:	Polyvinyl Chloride(PVC)	Plenum Rated Polyvinyl Chloride(PVC)
Operating temperature:	-4°F to 167°F (-20°C to 75°C)	32°F to 167°F (0°C to 75°C)
Weight:	0.056 lb./ft. or 56 lbs./1,000 ft. roll	0.059 lb./ft. or 59 lbs./1,000 ft. roll

- Cable type:
 - Twisted wire - non-shielded: 2 x 14 AWG 41-strand annealed bare copper conductors
 - Twisted and shielded 3 x 22 AWG 7-strand annealed bare copper conductors
 - 1 x 24 AWG: 7 strand, tinned copper (drain)
- Shield type: 100% aluminum/poly shield foil
- Cable length per spool: 1000 ft.
- Ripcord: Nylon
- Regulatory Certification(s):
 - o NEC rated CL3R or CL3P
 - o EU RoHS-2 2011/65/EU Compliant
 - o UL13 compliant in accordance to NEC article 725

FEATURES SUMMARY:

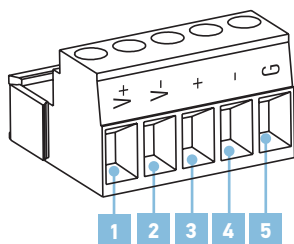
- Accommodate longer wiring distances with installation lengths up to 240 ft.
- Installation flexibility with in plenum and non-plenum rated options
- Minimize ground noise produced by motors, switches or other electrical equipment
- Prevent signal corruption, damage to components connected to the bus, ground loops
- Protect against electrical line surges
- Compliant with the EIS/TIA-485 Standard
- UL certified
- The only cable that meets the SDN 2.0 quality promise



RELATED PRODUCTS:

- | | |
|---|----------|
| ■ Sonesse® 50 ULTRA DC RS485 Motor | #1134022 |
| ■ Data and power pigtail (Sonesse® 50 ULTRA DC) | #9020004 |
| ■ Sonesse® 30 RS485 Motor | #1000658 |
| ■ Data and power pigtail (Sonesse® 30) | #9020261 |
| ■ Power Panel for SDN | #1870259 |

CONNECTIONS AND INDICATORS:



	ELEMENT	FUNCTION
1	Voltage/Power - positive	24V DC Power positive input
2	Voltage/Power - negative	24V DC Power negative input
3	SDN RS485 - positive	Data communication - positive
4	SDN RS485 - negative	Data communication - negative
5	SDN RS485 - ground	Data communication - ground

CABLE PINOUTS

Somfy SDN Low-voltage Motor Cable
Data and Power Cable
24V DC / SDN Control
5 conductor cable

