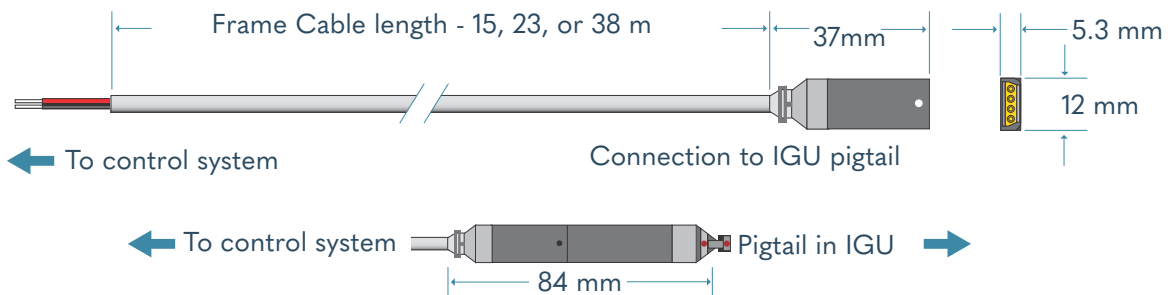# Product Sheet:
Frame Cable

The SageGlass® Frame Cable connects the SageGlass insulating glass units (IGUs) to the control system. It can be ordered in a variety of lengths and conductor configurations to meet specific installation requirements. The plenum rated, PVC-insulated Frame Cable wires are 22 AWG.

Product Dimensions

Frame Cable is joined to the IGU pigtail with an easy-snap connector.

Frame Cable length - 15, 23, or 38 m   37mm   5.3 mm   12 mm

To control system   Connection to IGU pigtail

To control system   84 mm   Pigtail in IGU

Part Numbers

Part Number	Cable Length	Conductors	Nominal Diameter	Wire Guage
330-0140-001	15 m	2	5,6 mm	0,5 mm²
330-0141-001		4	6,0 mm	
330-0140-002	23 m	2	5,6 mm	0,5 mm²
330-0141-002		4	6,0 mm	
330-0140-003	38 m	2	5,6 mm	0,5 mm²
330-0141-003		4	6,0 mm	

Temperature rated -20 to 70 °C

Product Ratings

IP67

Plenum rated
c UL us LISTED

Pb lead-free   RoHS 2002/95/EC

SAINT-GOBAIN

Installation

To protect the cable from damage while routing it through the framing system, use the grommets provided. A 3/8" (10mm) hole is required to install grommet. Frame Cables should be conditioned for 24 hours at room temperature prior to installation. The cables should never be installed below -20 °C ambient temperature. Once installed, the cables must not be exposed to sunlight, even through glass. If they are installed in an exposed location, they must be covered or painted (latex/water-based paint only). Non-adherence to these guidelines will void the warranty.

Parameter	2 Conductor Cable	4 Conductor Cable
Flame Retardant	IEC 60332-1-2	IEC 60332-1-2
Reaction to Fire (EN 50575)	$B2_{ca}$-s1, d1, a1	$B2_{ca}$-s1, d1, a1
Halogen Free	IEC 60754-1	IEC 60754-1
Non Corrosive Gas	IEC 60754-2	IEC 60754-2
Conductivity	≤ 10 µS/mm	≤ 10 µS/mm
pH Value	≥ 2.5	≥ 4.3
Non Dense Smoke	IEC 61034	IEC 61034
Max Pulling Tension	60 N	120 N
Min Bending Radius	28 mm	30 mm
Min Setting Radius	56 mm	60 mm
Nominal Resistance Conductor	34 Ω/km	34 Ω/km
Nominal Capacitance Conductor to Conductor @ 1kHz	90 pF/m	90 pF/m
Test Voltage Conductor to Conductor	2000 VDC	2000 VDC
Voltage Rating	300 V RMS	300 V RMS
Max Current per Conductor @ 25°C	3.75 A per conductor	3.75 A per conductor
Print	Saint-Gobain / Sage Glass - Belden Ye05081 Halogen Free 70c/-20c 2x0,5mm2 (Awg 20) Vdatecode + Metermarking	Saint-Gobain / Sage Glass - Belden Ye05082 Halogen Free 70c/-20c 4x0,5mm2 (Awg 20) Vdatecode + Metermarking

Conductor Count

Correct cable (2C or 4C) must be used per wiring/elevation diagram.

2 CONDUCTOR

4 CONDUCTOR

IGU Pigtail

Frame Cable