WINDOW
MASTER ®
Fresh Air. Fresh People.

WSA 852

WLL 831

WLL 833

WLL 11M SIHF

WLL 822

WLL 832

WLL 8xx
Cables for smoke ventilation

Natural
ventilation

Smoke
ventilation

Application
• silicone cable for smoke ventilation use

For description and dimensioning of the cable, see the
next pages.

Cable is to be installed according to national guidelines.

3.10

For the maximum cable lengths to SHV control in conjunction with standard actuators (taking the stated cable cross sections into consideration) please refer to the following table:

Maximum cable length – always routed from the control panel to the last junction box
Actuator current – sum of all actuator currents per group module

Note

- 3-core wires are required for each actuator supply cable (- / + / monitoring purpose) until the last junction box.
- green/yellow (ground) wires are not to be used!
- maximum voltage drop in the cable UL: 2V
- formula for the calculation of the maximum cable length
- cable lenght between control units using MotorLink® (Wxx xxM) and window actuators, however **maximum 50m!**

$$\text{max. cable length} = \frac{\text{admissible voltage drop (UL) x conductitivity of copper (56) x cable cross section (a)}}{\text{total max. actuator current (I) in amps x 2}}$$

Cable specifications is a guide only, overall responsibility resides with the electrical contractor on site.

Max. cable length when actuator is connected to power supply								
Cable cross section (a) (do not use green/yellow (ground) wire!) — Total actuator current [I]	3 x 0.75 mm²	3 x 1.50 mm²	3 x 2.50 mm²	3 x 4.00 mm²	3 x 6.00 mm²	5 x 1.50 mm² 2 wires in parallel	5 x 2.50 mm² 2 wires in parallel	
±24V power supply								
1A	42	84	140	224	336	168	280	meters
2A	21	42	70	112	168	84	140	meters
3A	14	28	47	75	112	56	93	meters
4A	11	21	35	56	84	42	70	meters
5A	8	17	28	45	67	34	56	meters
6A	7	14	23	37	56	28	47	meters
7A	6	12	20	32	48	24	40	meters
8A	5	11	18	28	42	21	35	meters
MotorLink® power supply								
1A	42	50	50	50	50	50	50	meters
2A	21	42	50	50	50	50	50	meters
3A	14	28	47	50	50	50	50	meters
4A	11	21	35	50	50	42	50	meters
5A	8	17	28	45	50	34	50	meters
6A	7	14	23	37	50	28	47	meters
7A	6	12	20	32	48	24	40	meters
8A	5	11	18	28	42	21	35	meters

WLL 8xx
Cables for smoke ventilation

WLL 11M SIHF		
Material	silicone, grey 5m, 3-core 0.75mm²
Application	extension cable
Delivery includes	cable

WLL 822		
Material	silicone, grey 2m, 3-core 0.75mm²
Application	extension cable
Delivery includes	cable

WLL 831		
Material	silicone, grey 5m, 3-core 0.75mm²
Application	extension cable
Delivery includes	1 x cable with attached fast-on socket

WLL 832		
Material	silicone, grey 2m, 3-core 0.75mm² 0.1m, 3-core 0.75mm²
Application	cable for 2 actuators
Delivery includes	1 x cable with attached fast-on socket

WLL 833		
Material	silicone, grey 10m, 3-core 0.75mm²
Application	extension cable
Delivery includes	1 x cable with attached fast-on socket

Items	Item no.
Cable for smoke ventilation for 2 actuators 5m 3-core 0.75mm²	WLL 11M SIHF
Cable for smoke ventilation for 2 actuators 2m 3-core 0.75mm²	WLL 822
Cable for smoke ventilation for 2 actuators 5m 3-core 0.75mm²	WLL 831
Cable for smoke ventilation for 2 actuators 2m 3-core 0.75mm²	WLL 832
Cable for smoke ventilation for 2 actuators 10m 3-core 0.75mm²	WLL 833
Ceramic terminal block	WSA 852 (944676)