Cable Armor
Instruction Sheet
For Models SBN/SBIT

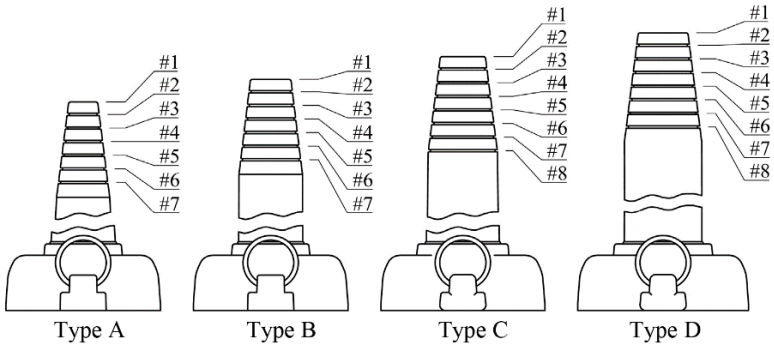


Figure 1: Cable Armor Types and Cutting Points

Type and Dimensions

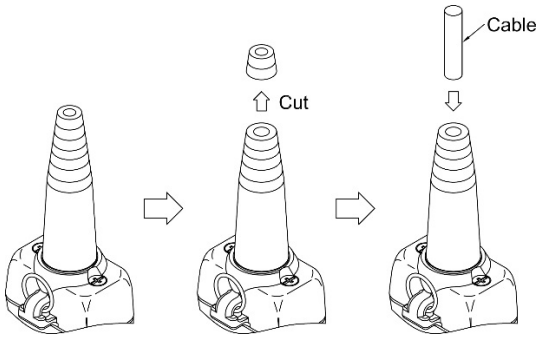
There are four types of cable armor, which are made for specific SBN models. The models for each type are listed in Table 1, and the # symbol refers to the point where the cable armor should be cut and removed (see Figure 1).

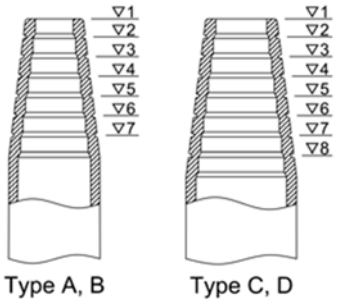
To ensure that the cable armor provides a steadfast seal, cut the armor at a point where its inner diameter is at least 1.5mm smaller than the outer diameter of the connecting cable.

For example, if preparing cable armor for an SBN-2-W, the type of cable armor the unit should come with is Type A. The outer diameter of the cable is 11mm, so the cable armor should be cut at a point where the inner diameter is 9.5mm (11mm - 1.5mm). That would be #3 for Type A cable armor.

CAUTION! Take care to cut the correct cable armor type, and that it is cut at the correct point.

Table 1: Cable Armor Dimensions





Applicable push button station model	Type	Dimensions of the inner diameter (mm)							
		#1	#2	#3	#4	#5	#6	#7	#8
SBN-2-W	A*	6.5	8.0	9.5	11.0	12.5	14.0	15.5	--
SBN-3-W									
SBN-4-W									
SBN-5-W	B*	11.5	13.0	14.5	16.0	17.5	19.0	20.5	--
SBN-6-W									
SBN-8-W (alternate)									
SBN-7-W	C	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0
SBN-8-W									
SBN-10-W									
SBIT-8-W									
SBN-12-W	D	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0

* Type A and Type B can be exchanged for each other

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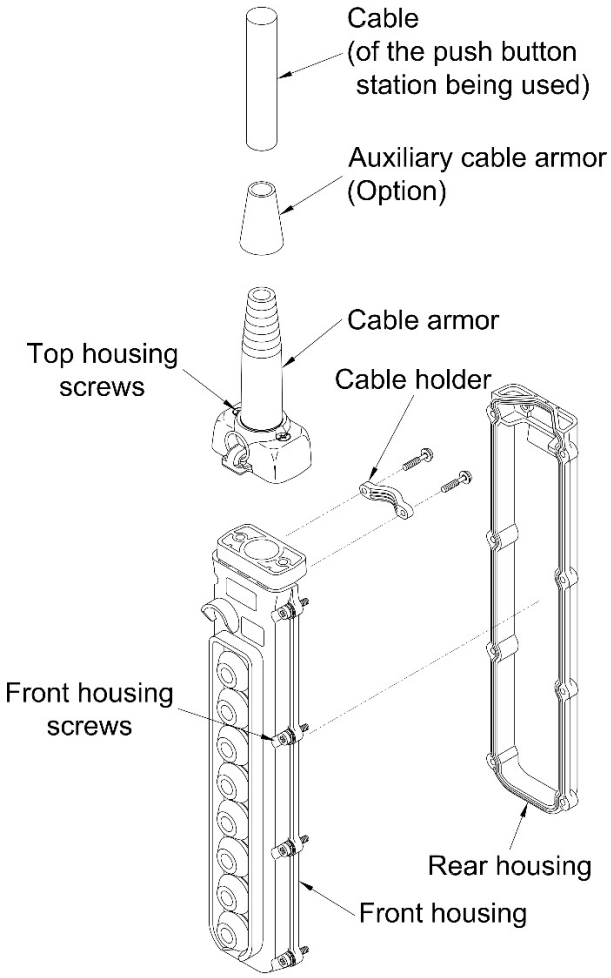
Installation and Operation Notes

- The maximum operating temperature is 104°F (40°C).
- Use UL listed/CSA approved closed loop crimp connectors and their corresponding crimping tool(s) for proper wiring connections.
- Use copper conductors only for terminal wiring.
- The temperature rating for the terminal wiring should be 140°F (60°C).
- The conductor wire sizing should be AWG18 – 16 (or equivalent).
- When fastening the cable conductors to their respective terminal screws, the tightening torque should be 10 – 12 lb-in (1.2 – 1.4 N•m). Do not over-tighten.
- The NEMA Rating Designation A300 Information for Current Ratings as is follows:

VAC	Make	Break
120VAC	60A	6A
240VAC	30A	3A

- Use type SOW cable only.
- The tightening torque for the front housing screws should be 9 – 13 lb-in (1.0 – 1.5 N•m), and the tightening torque for the top housing screws should be 17 – 22 in-lb (2.0 – 2.5 N•m).



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