

EGS GRAYBOOT “A” Selection Guide

For GB-1A Series GRAYBOOT “A” Connectors



The table presented below helps user determine which particular GRAYBOOT “A” Kit is required for different insulation and wire sizes. Users can correlate insulation outside diameter with wire gauge to determine proper GRAYBOOT “A” Kit required for a particular application.

Side A and Side B in the table below can be used for either the device side or field side for the standard kits (i.e., GB-1A (12-14) or GB-1A (16-18)). When utilizing the reduction kits, Side A is the pin side and is normally used on the device side (smaller wire size/insulation diameter) and Side B is usually used on the field side (larger wire size/insulation diameter). It should be noted that it is general practice to install connector such that socket is placed on field side.

Conductor		Insulation (inches)						
Side A Pin Side Plug Boot AWG	Side B Socket Side Recpt. Boot AWG	Side A I _{oo} ⁽¹⁾	.05-.080	.05-.080	.080-.170	.05-.080	.080-.170	.160-.250
		Side B I _{oo} ⁽¹⁾	.05-.080	.080-.170	.080-.170	.160-.250	.160-.250	.160-.250
20-26	20-26		GB-1A (20-26) ⁽²⁾	GB-1A (20-26) ⁽³⁾	GB-1A (20-26)			
20-26	16-18		GB-1A (16-18/20-26) ⁽²⁾	GB-1A (16-18/20-26) ⁽³⁾	GB-1A (16-18/20-26)			
20-26	12-14			GB-1A (12-14/20-26) ⁽³⁾	GB-1A (12-14/20-26)	GB-S-1A ⁽³⁾	GB-S-1A	
20-26	10-14					GB-S-1A ⁽³⁾	GB-S-1A	
16-18	16-18		GB-1A (16-18) ⁽²⁾	GB-1A (16-18) ⁽³⁾	GB-1A (16-18)			
16-18	12-14			GB-1A (12-14/16-18) ⁽³⁾	GB-1A (12-14/16-18)	GB-S-1A ⁽³⁾	GB-S-1A	
16-18	10-14					GB-S-1A ⁽³⁾	GB-S-1A	
12-14	12-14				GB-1A (12-14)		GB-S-1A	GB-1A (10-14)OS
10-14	10-14							GB-1A (10-14)OS

Notes (all measurements are in inches):

1. I_{oo} = Insulation outside diameter
2. Requires WCSF-050-3/1 shim on both Side A and Side B.
3. Requires WCSF-050-3/1 shim on Side A only.

Shim use range: WCSF-050-3/1 → 0.05-0.10"

EGS GRAYBOOT “A” Selection Guide

For GB-2A & GB-3A Series GRAYBOOT “A” Connectors



The table presented below helps user determine which particular GRAYBOOT “A” Kit is required for different insulation and wire sizes. Users can correlate insulation outside diameter with wire gauge to determine proper GRAYBOOT “A” Kit required for a particular application.

Side A and Side B in the table below can be used for either the device side or field side - except for the GB-S-2A and GB-S-3A kits where it is general practice to install the socket on the field side.

Conductor		Insulation (inches)										
Side A Pin Side Plug Boot AWG	Side B Socket Side Recept. Boot AWG	Side A I _{od} ⁽¹⁾	.083-.140	.083-.140	.140-.280	.165-.270	.165-.270	.270-.425 ⁽⁵⁾	.270-.425 ⁽⁵⁾	.165-.270	.165-.270	.270-.425 ⁽⁵⁾
		Side B I _{od} ⁽¹⁾	.083-.140	.140-.280	.140-.280	.083-.140	.140-.280	.083-.140	.140-.280	.165-.270	.270-.425 ⁽⁵⁾	.270-.425 ⁽⁵⁾
16-18	16-18		GB-2A (16-18) ⁽²⁾	GB-2A (16-18) ⁽³⁾	GB-2A (16-18)							
12-14	12-14		GB-2A (12-14) ⁽²⁾	GB-2A (12-14) ⁽³⁾	GB-2A (12-14)							
16-18	12-14		GB-2A (12-14/16-18) ⁽²⁾	GB-2A (12-14/16-18) ⁽³⁾	GB-2A (12-14/16-18)							
12-18	8-10		GB-2A (8-10/12-18) ⁽²⁾	GB-2A (8-10/12-18) ⁽³⁾	GB-2A (8-10/12-18)							
12-14	8-10		GB-2A (8-10/12-14) ⁽²⁾	GB-2A (8-10/12-14) ⁽³⁾	GB-2A (8-10/12-14)							
8-10	8-10		GB-2A (8-10) ⁽²⁾	GB-2A (8-10) ⁽³⁾	GB-2A (8-10)							
4-10	8-18					GB-S-3A ⁽⁵⁾	GB-S-3A ⁽⁷⁾	GB-S-3A ⁽⁴⁾	GB-S-3A			
4-6	8-14					GB-S-2A ⁽⁵⁾	GB-S-2A ⁽⁷⁾	GB-S-2A ⁽⁴⁾	GB-S-2A			
8-10	8-10									GB-3A(8-10) ⁽⁶⁾	GB-3A(8-10) ⁽⁷⁾	GB-3A(8-10)
8-10	4-6									GB-3A (4-6/8-10) ⁽⁶⁾	GB-3A (4-6/8-10) ⁽⁷⁾	GB-3A (4-6/8-10)
4-6	4-6									GB-3A(4-6) ⁽⁶⁾	GB-3A(4-6) ⁽⁷⁾	GB-3A(4-6)

Notes (all measurements are in inches):

- I_{od} = Insulation outside diameter
- Requires WCSF-070-6/2 shim on both Side A and Side B.
- Requires WCSF-070-6/2 shim on Side A only.
- Requires WCSF-070-6/2 shim on Side B only.

- Requires WCSF-070-6/2 shim on Side B and requires WCSF-115-9/3 shim on Side A.
- Requires WCSF-115-9/3 shim on both Side A and Side B.
- Requires WCSF-115-9/3 shim on Side A only.

- Requires GB-3-11 wire clamp for insulation diameter larger than 0.340".

Shim use range: WCSF-070-6/2 → 0.07-0.18"
 WCSF-115-9/3 → 0.115-0.29"

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