

EGS GRAYBOOT Selection Guide

For GB-1 Series GRAYBOOT Connectors



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

Side A and Side B in the table below is used as terminology only and does not represent either side of connector in particular. 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 AWG	Side B AWG	Side A I _{oo} ⁽¹⁾	.050-.090	.050-.090	.090-.160	.070-.140 ⁽⁸⁾	.070-.140 ⁽⁸⁾	.160-.280	.110-.230 ⁽⁹⁾	.070-.140 ⁽⁸⁾	.070-.140 ⁽⁸⁾	.160-.280	.110-.230 ⁽⁹⁾	.270-.425 ⁽¹¹⁾
		Side B I _{oo} ⁽¹⁾	.050-.090	.090-.160	.090-.160	.070-.140 ⁽⁸⁾	.160-.280	.160-.280	.110-.230 ⁽⁹⁾	.110-.230 ⁽⁹⁾	.270-.425 ⁽¹¹⁾	.270-.425 ⁽¹¹⁾	.270-.425 ⁽¹¹⁾	.270-.425 ⁽¹¹⁾
26-16	26-16		GB-1(16-18) ⁽²⁾	GB-1(16-18) ⁽³⁾	GB-1(16-18)									
26-16	14-12		GB-1 (12-14/16-18) ⁽²⁾	GB-1 (12-14/16-18) ⁽³⁾	GB-1 (12-14/16-18)									
18-16	18-16					GB-2(16-18) ⁽⁴⁾	GB-2(16-18) ⁽⁵⁾	GB-2(16-18)						
14-12	14-12		GB-1(12-14) ⁽²⁾	GB-1(12-14) ⁽³⁾	GB-1(12-14)	GB-2(12-14) ⁽⁴⁾	GB-2(12-14) ⁽⁵⁾	GB-2(12-14)						
18-16	14-12					GB-2 (12-14/16-18) ⁽⁴⁾	GB-2 (12-14/16-18) ⁽⁵⁾							
18-12	10-8					GB-2 (8-10/12-18) ⁽⁴⁾	GB-2 (8-10/12-18) ⁽⁵⁾	GB-2 (8-10/12-18)						
14-12	10-8					GB-2 (8-10/12-14) ⁽⁴⁾	GB-2 (8-10/12-14) ⁽⁵⁾	GB-2 (8-10/12-14)						
10-8	10-8					GB-2(8-10) ⁽⁴⁾	GB-2(8-10) ⁽⁵⁾	GB-2(8-10)						
16-8	10-4									GB-S-3 ⁽⁵⁾⁽¹⁰⁾	GB-S-3 ⁽⁵⁾	GB-S-3		
14-8	6-4									GB-S-2 ⁽⁵⁾⁽¹⁰⁾	GB-S-2 ⁽⁵⁾	GB-S-2		
10-8	10-8								GB-3 (8-10) ⁽⁷⁾				GB-3 (8-10) ⁽⁶⁾	GB-3(8-10)
10-8	6-4								GB-3 (4-6/8-10) ⁽⁷⁾				GB-3 (4-6/8-10) ⁽⁶⁾	GB-3 (4-6/8-10)
6-4	6-4								GB-3(4-6) ⁽⁷⁾				GB-3(4-6) ⁽⁶⁾	GB-3(4-6)

Notes (all measurements are in inches):

- I_{oo} = Insulation outside diameter
- Required Raychem WCSF-050-N shim on both sides.
- Requires Raychem WCSF-050-N shim on Side A only.
- Requires Raychem WCSF-070-N shim on both sides.
- Requires Raychem WCSF-070-N shim on Side A only.
- Requires Raychem WCSF-115-N shim on Side A only.
- Requires Raychem WCSF-115-N shim on both sides.
- 0.070-0.140 for LOCA/HELB environments, 0.070-0.159 for non-accident environments.
- 0.110-0.230 for LOCA/HELB environments, 0.110-0.269 for non-accident environments.
- Requires Raychem WCSF-115-N shim on side B only.
- For wire I_{oo} of 0.400"-0.425", a GB-3-10 wire clamp must be used in place of a GB-2/3-6 wire clamp.

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