

Product Technical Note

**Cable Comparison of BBCE-xx(A)
with BBCE-xx(B)-E
for
SGMGH-20A, SGMGH-30A, SGMGH-44A,
SGMSH/UH-30D, SGMSH/UH-40D, SGMSH-50D**

Applicable Product: BBCE-xx(A), BBCE-xx(B)-E

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|--|---------------------|
| Product: BBCE-xx(A), BBCE -xx(B)-E | Doc#: TN.Sigmall.05 |
| Title: Technical Note: Cable Comparison of BBCE-xx(A) with BBCE-xx(B)-E for SGMGH-20A, SGMGH-30A, SGMGH-44A, SGMSH/UH-30D, SGMSH/UH-40D, SGMSH-50D | |

ABSTRACT:

This document contains pertinent differences between the BBCE-xx(A) and BBCE-xx(B)-E cables (where xx = 03, 05, 10, 15, 20).

DIFFERENCES:

| Cable Part Number | BBCE-xx(A) | BBCE-xx(B)-E |
|--|---|---|
| Outer Diameter | 9.88 mm | 14.0 mm |
| Bend Radius | 10x Outer Diameter (98.8 mm) | 10x Outer Diameter (140 mm) |
| Strain Relief ^{*1} | Inner diameter sized to accommodate 9.88 mm | Inner diameter sized to accommodate 14.0 mm |
| RoHS Compliance | Non-RoHS | RoHS |
| Conductor Color | Black, Black, Black, Green/Yellow | Red, Red, Red, Green/Yellow |
| Length from termination to marker flag ^{*2} | 16.2 mm | 40.0 mm |
| Connector (Part Number) | CE05-6A22-22SD-B | CE05-6A22-22SD-D |
| Raw Cable (Part Number) | (Custom) Lapp Olflex 811747 | (Standard) Lapp Olflex 891404CY |

Notes:

- *1: "Strain Relief" is shown in the reference drawing below.
- *2: "Length from termination to marker flag" is shown in the reference drawing below.

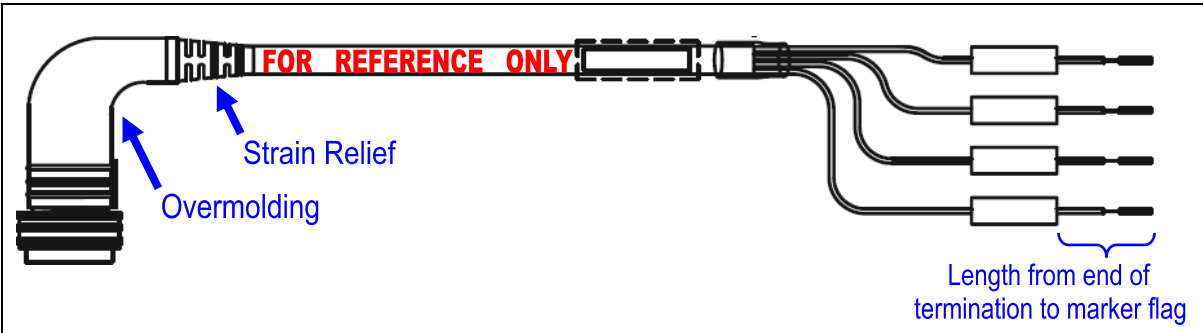


Figure 1: Drawing containing Length from end of termination to marker flags.

SIMILARITIES:

| | |
|-----------------------|--|
| Outer Jacket Material | Lapp Olflex PVC |
| Outer Jacket Color | Black |
| Cable Conductor Size | 14AWG x 4C |
| Overmolding Material | L-Type Molded Backshell 95 Durometer PVC. |
| Applicable Motors | All motors of models: SGMGH-20A, SGMGH-30A, SGMGH-44A, SGMSH/UH-30D, SGMSH/UH-40D, SGMSH-50D |

Note: The similarities are not limited to the items listed in the table above.