

**Summary of Changes to CS8-07 (Ed 3)**  
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Below is a summary of the changes between CS8-00 (Edition 1) and CS8-07 (Edition 3):

Document

1. The abbreviations (TR)XLPE (for all cross-linked polyethylene insulations) and EPR have been used throughout the specification.
2. A few more design options have been listed under the Design Variables section.
3. Included many of the tables from ANSI/ICEA S-94-649 and S-97-682 standards in Appendix D for reference only. This makes the references more readily available while using CS8.
4. Requirements have been added for conductor shield contact surface protrusions for EPR.
5. Added Sections 6.0 and 7.0 for Metallic Shielding Requirements and Moisture Barrier Requirements, respectively.
6. In 10.1.1 Recording of Data was combined for (TR)XLPE and EPR.
7. The Qualification Tests section was simplified significantly with reference to ANSI/ICEA standards.
8. The Flow Chart was changed to reflect the additional Tree Counting requirements of AEIC.

Appendixes

9. Included Appendix B which is a history of the cable diameter tables and a tutorial on the relationship of cable diameters and the cable accessory diameters.
10. Adopted the minimum diameters from the ANSI/ICEA tables. Maintained the maximum cable diameters from AEIC in order to maintain compatibility of accessories with earlier AEIC cables which are in service and will necessarily be repaired.
11. The revised Appendix C now shows the methodology for these calculations.
12. Eliminated the uncommon conductor sizes in the tables. This will encourage users to specify the more common conductor sizes.
13. The two diameter tables for concentric round conductors were removed since almost all cable purchased today uses compressed or compact stranded conductors.

General

14. The third edition of CS8 was published soon after the second edition since there were several editorial changes that needed to be made to the tables in the appendixes of the second edition.
15. Some sections were rearranged to better align with ANSI/ICEA standards format.