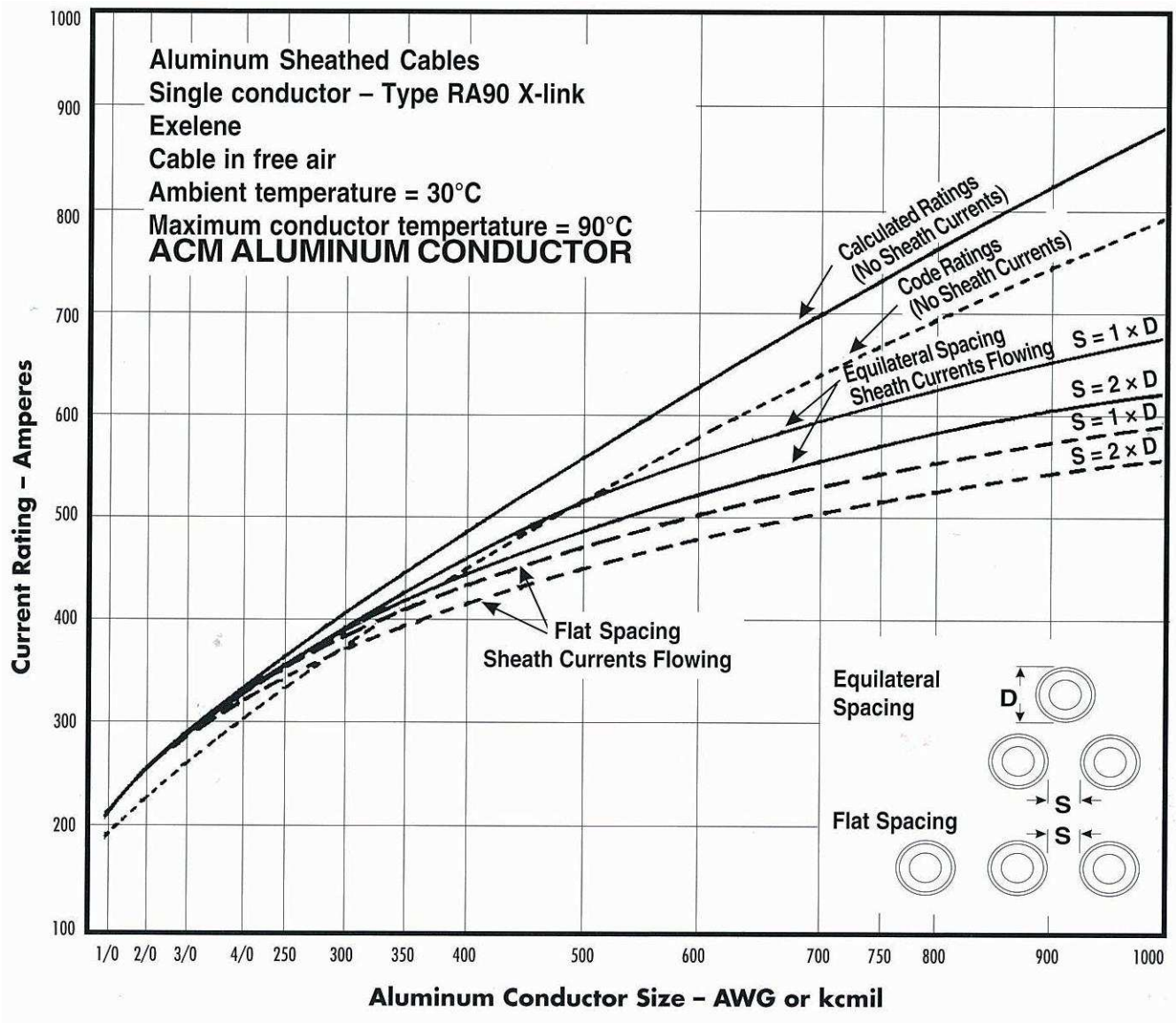
CORFLEX® II Cable Derating Due to Sheath Currents

When single conductor metal sheathed cables carrying over 425 amps are installed with both ends of the sheath bonded, derating of the cable is normally required (Ref. Canadian Electrical Code Part I Rule 4-008 and Appendix B) due to the heating effect of sheath currents. The following curves show the recommended current carrying capacity for CORFLEX* II cables operating with sheath currents flowing. The “Calculated Ratings (no sheath currents)” curves show the calculated current required to obtain full 90℃ conductor operating temperature, and illustrate the margin of safety available in the CORFLEX* II design over Code ratings (Tables 1 and 3).

Aluminum Conductors



Copper Conductors

