

**MAIN & AUX. MAIN CABLES
FACTORS OF SAFETY**

| 90°F AVERAGE TEMPERATURE | | | | | | | | | | | | | |
|---|-----------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Azimuth Location | | 120° | | 135° | | 150° | | 300° | | 315° | | 330° | |
| Cable ID | Allowable | Force | FS | Force | FS | Force | FS | Force | FS | Force | FS | Force | FS |
| M12W | 1314 | 595 | 2.21 | 602 | 2.18 | 607 | 2.16 | 614 | 2.14 | 604 | 2.18 | 594 | 2.21 |
| M12 | 4176 | 1918 | 2.18 | 1909 | 2.19 | 1900 | 2.20 | 1936 | 2.16 | 1971 | 2.12 | 2000 | 2.09 |
| M12E | 1314 | 657 | 2.00 | 653 | 2.01 | 648 | 2.03 | 584 | 2.25 | 579 | 2.27 | 578 | 2.27 |
| M8N | 1314 | 598 | 2.20 | 592 | 2.22 | 586 | 2.24 | 617 | 2.13 | 632 | 2.08 | 644 | 2.04 |
| M8 | 4176 | 1913 | 2.18 | 1919 | 2.18 | 1925 | 2.17 | 1931 | 2.16 | 1929 | 2.16 | 1926 | 2.17 |
| M8S | 1314 | 660 | 1.99 | 655 | 2.01 | 650 | 2.02 | 587 | 2.24 | 589 | 2.23 | 593 | 2.22 |
| M4N | 1314 | 580 | 2.27 | 576 | 2.28 | 574 | 2.29 | 620 | 2.12 | 634 | 2.07 | 645 | 2.04 |
| M4 | 4176 | 2027 | 2.06 | 2016 | 2.07 | 2002 | 2.09 | 1888 | 2.21 | 1897 | 2.20 | 1908 | 2.19 |
| M4S | 1314 | 578 | 2.27 | 586 | 2.24 | 595 | 2.21 | 619 | 2.12 | 614 | 2.14 | 608 | 2.16 |
| Model Criteria: | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • Cable forces determined using LARSA 4D • 0 kip tie downs at each corner to begin • 19,600foot-kip unbalanced moment | | | | | | | | | | | | | |
| 70°F AVERAGE TEMPERATURE | | | | | | | | | | | | | |
| Azimuth Location | | 120° | | 135° | | 150° | | 300° | | 315° | | 330° | |
| Cable ID | Allowable | Force | FS | Force | FS | Force | FS | Force | FS | Force | FS | Force | FS |
| M12W | 1314 | 609 | 2.16 | 616 | 2.13 | 622 | 2.11 | 628 | 2.09 | 621 | 2.12 | 614 | 2.14 |
| M12 | 4176 | 1957 | 2.13 | 1949 | 2.14 | 1943 | 2.15 | 1993 | 2.10 | 2002 | 2.09 | 2008 | 2.08 |
| M12E | 1314 | 649 | 2.02 | 648 | 2.03 | 647 | 2.03 | 598 | 2.20 | 597 | 2.20 | 598 | 2.20 |
| M8N | 1314 | 612 | 2.15 | 606 | 2.17 | 601 | 2.19 | 631 | 2.08 | 637 | 2.06 | 641 | 2.05 |
| M8 | 4176 | 1951 | 2.14 | 1959 | 2.13 | 1968 | 2.12 | 1988 | 2.10 | 1978 | 2.11 | 1969 | 2.12 |
| M8S | 1314 | 653 | 2.01 | 650 | 2.02 | 648 | 2.03 | 601 | 2.19 | 603 | 2.18 | 607 | 2.16 |
| M4N | 1314 | 602 | 2.18 | 597 | 2.20 | 594 | 2.21 | 634 | 2.07 | 639 | 2.06 | 641 | 2.05 |
| M4 | 4176 | 2023 | 2.06 | 2018 | 2.07 | 2015 | 2.07 | 1946 | 2.15 | 1947 | 2.14 | 1950 | 2.14 |
| M4S | 1314 | 600 | 2.19 | 607 | 2.16 | 614 | 2.14 | 633 | 2.08 | 628 | 2.09 | 622 | 2.11 |
| Model Criteria: | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • Cable forces determined using LARSA 4D • 30 kip tie downs at each corner to begin • 19,600 foot-kip unbalanced moment | | | | | | | | | | | | | |