



SAG AND TENSION TABLES FOR LASHED CABLES ON 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

0.5" DIAMETER (0.2 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|----|--|--|----|
| | | | | | | | | |
| 100 | 1100 | 0 | 4 | 1 | 1 | 1199 | 1 | 1 |
| 200 | 1100 | 1 | 6 | 3 | 11 | 1313 | 2 | 8 |
| 300 | 1100 | 3 | 3 | 8 | 0 | 1445 | 4 | 10 |
| 400 | 1100 | 5 | 10 | 13 | 0 | 1575 | 7 | 7 |
| 500 | 1100 | 9 | 1 | 18 | 10 | 1698 | 11 | 1 |
| 600 | 1100 | 13 | 2 | 25 | 5 | 1813 | 15 | 4 |
| 700 | 1100 | 17 | 10 | 32 | 8 | 1920 | 20 | 2 |
| 780 | 1100 | 22 | 2 | 38 | 11 | 1999 | 24 | 8 |

0.6" DIAMETER (0.25 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|----|--|--|----|
| | | | | | | | | |
| 100 | 1100 | 0 | 5 | 1 | 2 | 1206 | 1 | 2 |
| 200 | 1100 | 1 | 8 | 4 | 2 | 1332 | 2 | 10 |
| 300 | 1100 | 3 | 10 | 8 | 6 | 1472 | 5 | 2 |
| 400 | 1100 | 6 | 9 | 13 | 10 | 1607 | 8 | 4 |
| 500 | 1100 | 10 | 6 | 20 | 0 | 1733 | 12 | 4 |
| 600 | 1100 | 15 | 2 | 27 | 0 | 1849 | 17 | 1 |
| 700 | 1100 | 20 | 8 | 34 | 9 | 1955 | 22 | 9 |
| 710 | 1100 | 21 | 3 | 35 | 7 | 1965 | 23 | 4 |

0.7" DIAMETER (0.3 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|---|--|--|----|
| | | | | | | | | |
| 100 | 1100 | 0 | 6 | 1 | 3 | 1213 | 1 | 2 |
| 200 | 1100 | 1 | 11 | 4 | 5 | 1350 | 2 | 11 |
| 300 | 1100 | 4 | 4 | 9 | 0 | 1498 | 5 | 7 |
| 400 | 1100 | 7 | 8 | 14 | 7 | 1638 | 9 | 1 |
| 500 | 1100 | 12 | 0 | 21 | 2 | 1765 | 13 | 7 |
| 600 | 1100 | 17 | 3 | 28 | 7 | 1881 | 19 | 0 |
| 645 | 1100 | 19 | 11 | 32 | 3 | 1929 | 21 | 9 |

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F.

Stringing tensions are at 60° F.

SAG AND TENSION TABLES FOR LASHED CABLES ON 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

0.8" DIAMETER (0.4 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 0 | 7 | 1 | 4 | 1223 | 1 | 3 |
| 200 | 1100 | 2 | 4 | 4 | 10 | 1372 | 3 | 3 |
| 300 | 1100 | 5 | 4 | 9 | 9 | 1526 | 6 | 5 |
| 400 | 1100 | 9 | 6 | 15 | 11 | 1665 | 10 | 9 |
| 500 | 1100 | 14 | 10 | 23 | 2 | 1789 | 16 | 2 |
| 560 | 1100 | 18 | 7 | 28 | 0 | 1855 | 19 | 0 |

0.9" DIAMETER (0.5 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|---|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 0 | 8 | 1 | 6 | 1233 | 1 | 3 |
| 200 | 1100 | 2 | 10 | 5 | 3 | 1393 | 3 | 8 |
| 300 | 1100 | 6 | 4 | 10 | 7 | 1549 | 7 | 4 |
| 400 | 1100 | 11 | 3 | 17 | 3 | 1687 | 12 | 4 |
| 495 | 1100 | 17 | 3 | 24 | 9 | 1799 | 18 | 5 |

1.0" DIAMETER (0.7 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 0 | 11 | 1 | 8 | 1247 | 1 | 5 |
| 200 | 1100 | 3 | 9 | 5 | 11 | 1416 | 4 | 5 |
| 300 | 1100 | 8 | 5 | 12 | 0 | 1567 | 9 | 2 |
| 400 | 1100 | 14 | 11 | 19 | 10 | 1689 | 15 | 9 |
| 405 | 1100 | 15 | 4 | 20 | 3 | 1694 | 16 | 2 |

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F.

Stringing tensions are at 60° F.

SAG AND TENSION TABLES FOR LASHED CABLES ON 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

1.1" DIAMETER (0.8 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 1 | 1 | 1 | 10 | 1257 | 1 | 6 |
| 200 | 1100 | 4 | 2 | 6 | 4 | 1432 | 4 | 9 |
| 300 | 1100 | 9 | 5 | 12 | 11 | 1581 | 10 | 1 |
| 370 | 1100 | 14 | 4 | 18 | 7 | 1666 | 15 | 1 |

1.2" DIAMETER (0.9 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 1 | 2 | 1 | 11 | 1266 | 1 | 7 |
| 200 | 1100 | 4 | 8 | 6 | 9 | 1446 | 5 | 2 |
| 300 | 1100 | 10 | 5 | 13 | 9 | 1593 | 11 | 1 |
| 335 | 1100 | 13 | 0 | 16 | 8 | 1635 | 13 | 8 |

1.3" DIAMETER (1.2 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|---|--|--|----|
| | | | | | | | | |
| 100 | 1100 | 1 | 6 | 2 | 2 | 1281 | 1 | 10 |
| 200 | 1100 | 6 | 0 | 7 | 9 | 1456 | 6 | 5 |
| 275 | 1100 | 11 | 4 | 13 | 9 | 1553 | 11 | 10 |

1.4" DIAMETER (1.4 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 1 | 9 | 2 | 5 | 1291 | 2 | 1 |
| 200 | 1100 | 6 | 11 | 8 | 6 | 1461 | 7 | 4 |
| 240 | 1100 | 9 | 11 | 11 | 10 | 1512 | 10 | 4 |

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F.

Stringing tensions are at 60° F.

SAG AND TENSION TABLES FOR LASHED CABLES ON 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

1.5" DIAMETER (1.5 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 1 | 10 | 2 | 6 | 1299 | 2 | 2 |
| 200 | 1100 | 7 | 4 | 8 | 11 | 1470 | 7 | 9 |
| 230 | 1100 | 9 | 9 | 11 | 6 | 1507 | 10 | 1 |

1.6" DIAMETER (1.8 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|----|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 2 | 2 | 2 | 10 | 1309 | 2 | 5 |
| 200 | 1100 | 8 | 9 | 10 | 1 | 1465 | 9 | 1 |

1.7" DIAMETER (2.1 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|---|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 2 | 6 | 3 | 1 | 1316 | 2 | 9 |
| 175 | 1100 | 7 | 9 | 8 | 9 | 1430 | 8 | 0 |

1.8" DIAMETER (2.4 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|----|---|---|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 2 | 10 | 3 | 5 | 1321 | 3 | 1 |
| 155 | 1100 | 6 | 11 | 7 | 9 | 1403 | 7 | 1 |

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F.

Stringing tensions are at 60° F.

SAG AND TENSION TABLES FOR LASHED CABLES ON 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

1.9" DIAMETER (2.6 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|---|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 3 | 1 | 3 | 7 | 1326 | 3 | 3 |
| 145 | 1100 | 6 | 6 | 7 | 3 | 1392 | 6 | 9 |

2.0" DIAMETER (2.7 #/FT.) FILLED FOAM-SKIN CABLE

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY LOADING (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|---|--|--|---|
| | | | | | | | | |
| 100 | 1100 | 3 | 2 | 3 | 9 | 1331 | 3 | 5 |
| 140 | 1100 | 6 | 3 | 7 | 0 | 1391 | 6 | 6 |

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F.

Stringing tensions are at 60° F.