



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

LIGHT 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 | 0 | 10 | 1162 | 1 | 1 |
| 200 | 1100 | 1 | 6 | 3 | 3 | 1237 | 2 | 7 |
| 300 | 1100 | 3 | 3 | 6 | 9 | 1328 | 4 | 8 |
| 400 | 1100 | 5 | 10 | 11 | 3 | 1422 | 7 | 5 |
| 500 | 1100 | 9 | 1 | 16 | 6 | 1513 | 10 | 11 |
| 600 | 1100 | 13 | 2 | 22 | 5 | 1598 | 15 | 1 |
| 700 | 1100 | 17 | 10 | 29 | 1 | 1678 | 19 | 11 |
| 800 | 1100 | 23 | 4 | 36 | 5 | 1751 | 25 | 6 |
| 900 | 1100 | 29 | 7 | 44 | 5 | 1818 | 31 | 10 |
| 920 | 1100 | 30 | 10 | 46 | 1 | 1831 | 33 | 2 |

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 | 0 | 11 | 1169 | 1 | 2 |
| 200 | 1100 | 1 | 8 | 3 | 6 | 1254 | 2 | 9 |
| 300 | 1100 | 3 | 10 | 7 | 4 | 1356 | 5 | 1 |
| 400 | 1100 | 6 | 9 | 12 | 2 | 1457 | 8 | 3 |
| 500 | 1100 | 10 | 6 | 17 | 10 | 1552 | 12 | 2 |
| 600 | 1100 | 15 | 2 | 24 | 4 | 1640 | 16 | 11 |
| 700 | 1100 | 20 | 8 | 31 | 7 | 1720 | 22 | 6 |
| 800 | 1100 | 27 | 0 | 39 | 7 | 1793 | 28 | 11 |
| 810 | 1100 | 27 | 8 | 40 | 5 | 1800 | 29 | 7 |

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 | 0 | 1175 | 1 | 2 |
| 200 | 1100 | 1 | 11 | 3 | 10 | 1272 | 2 | 11 |
| 300 | 1100 | 4 | 4 | 7 | 11 | 1383 | 5 | 6 |
| 400 | 1100 | 7 | 8 | 13 | 1 | 1490 | 9 | 0 |
| 500 | 1100 | 12 | 0 | 19 | 2 | 1589 | 13 | 5 |
| 600 | 1100 | 17 | 3 | 26 | 2 | 1678 | 18 | 10 |
| 700 | 1100 | 23 | 5 | 34 | 0 | 1758 | 25 | 1 |
| 730 | 1100 | 25 | 6 | 36 | 6 | 1781 | 27 | 2 |

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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

LIGHT 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 | 2 | 1182 | 1 | 3 |
| 200 | 1100 | 2 | 4 | 4 | 3 | 1288 | 3 | 3 |
| 300 | 1100 | 5 | 4 | 8 | 9 | 1402 | 6 | 4 |
| 400 | 1100 | 9 | 6 | 14 | 5 | 1509 | 10 | 7 |
| 500 | 1100 | 14 | 10 | 21 | 3 | 1603 | 16 | 0 |
| 600 | 1100 | 21 | 4 | 29 | 1 | 1684 | 22 | 7 |
| 625 | 1100 | 23 | 2 | 31 | 3 | 1703 | 24 | 5 |

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 | 3 | 1188 | 1 | 3 |
| 200 | 1100 | 2 | 10 | 4 | 8 | 1303 | 3 | 7 |
| 300 | 1100 | 6 | 4 | 9 | 7 | 1419 | 7 | 3 |
| 400 | 1100 | 11 | 3 | 15 | 10 | 1522 | 12 | 3 |
| 500 | 1100 | 17 | 8 | 23 | 5 | 1610 | 18 | 8 |
| 545 | 1100 | 21 | 0 | 27 | 3 | 1645 | 22 | 0 |

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 | 5 | 1194 | 1 | 5 |
| 200 | 1100 | 3 | 9 | 5 | 3 | 1309 | 4 | 4 |
| 300 | 1100 | 8 | 5 | 11 | 0 | 1415 | 9 | 1 |
| 400 | 1100 | 14 | 11 | 18 | 5 | 1501 | 15 | 8 |
| 440 | 1100 | 18 | 1 | 21 | 11 | 1530 | 18 | 10 |

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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

LIGHT 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 | 7 | 1201 | 1 | 6 |
| 200 | 1100 | 4 | 2 | 5 | 8 | 1321 | 4 | 9 |
| 300 | 1100 | 9 | 5 | 11 | 10 | 1425 | 10 | 0 |
| 400 | 1100 | 16 | 9 | 20 | 0 | 1506 | 17 | 5 |

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 | 8 | 1207 | 1 | 7 |
| 200 | 1100 | 4 | 8 | 6 | 1 | 1331 | 5 | 2 |
| 300 | 1100 | 10 | 5 | 12 | 9 | 1434 | 11 | 0 |
| 365 | 1100 | 15 | 5 | 18 | 3 | 1485 | 16 | 1 |

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 | 1 | 11 | 1210 | 1 | 10 |
| 200 | 1100 | 6 | 0 | 7 | 2 | 1321 | 6 | 5 |
| 295 | 1100 | 13 | 1 | 14 | 8 | 1395 | 13 | 6 |

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 | 2 | 1214 | 2 | 0 |
| 200 | 1100 | 6 | 11 | 7 | 11 | 1318 | 7 | 3 |
| 260 | 1100 | 11 | 8 | 12 | 11 | 1361 | 12 | 1 |

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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

LIGHT 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 | 3 | 1220 | 2 | 2 |
| 200 | 1100 | 7 | 4 | 8 | 4 | 1324 | 7 | 8 |
| 245 | 1100 | 11 | 1 | 12 | 3 | 1357 | 11 | 5 |

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 | 7 | 1220 | 2 | 5 |
| 200 | 1100 | 8 | 9 | 9 | 6 | 1309 | 9 | 0 |
| 210 | 1100 | 9 | 8 | 10 | 5 | 1315 | 9 | 11 |

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

| SPAN LENGTH (Feet) | STRINGING TENSION(Lbs.) | STRINGING SAG (Feet) - (Inches) | | SAG UNDER HEAVY (Feet) - (Inches) | | EXPECTED TENSION UNDER HEAVY LOAD (Lbs.) | UNLOADED SAG AFTER STORM (Feet) - (Inches) | |
|-----------------------|----------------------------|------------------------------------|---|---|----|--|--|----|
| | | | | | | | | |
| 100 | 1100 | 2 | 6 | 2 | 10 | 1219 | 2 | 9 |
| 185 | 1100 | 8 | 8 | 9 | 3 | 1286 | 8 | 11 |

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 | 2 | 1217 | 3 | 1 |
| 165 | 1100 | 7 | 10 | 8 | 3 | 1264 | 8 | 0 |

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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

LIGHT 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 | 4 | 1218 | 3 | 3 |
| 150 | 1100 | 6 | 11 | 7 | 4 | 1254 | 7 | 2 |

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 | 6 | 1222 | 3 | 5 |
| 145 | 1100 | 6 | 9 | 7 | 1 | 1255 | 6 | 11 |

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).