

TR Říčov - rek.R110kV, sek.tech., VS, PZTS
Montážní tabulky pro KZL
V516/5525

Stringing Chart Report

Section #61 from structure #1 to structure #V5525N, start set #7 'ZL', end set #7 ''

Cable 'O:\PROLinCZPHA\22129_TR Říčov-rek_R110KV\PLS\lana\opgw_2s_2_24_M167_R91-228', Ruling span (m) 74.1367

Sagging data: Catenary (m) 265, Horiz. Tension (N) 1825.85 Condition I Temperature (deg C) -5

Weather case for final after creep 80°C, Equivalent to 25.1 (deg C) temperature increase

Weather case for final after load 40°C, Equivalent to 0.1 (deg C) temperature increase

Results below for condition 'Initial FE'

Calculations done using actual span lengths and vertical projections

| + Span From + + Span To + | | | Span | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Mid | Left | Span |
|---------------------------|-----|---------|------|-----|------|--------|-------|-------|------|------|------|------|------|------|------|------|------|------|--------|------------|
| Str. | Set | Ph. | Str. | Set | Ph. | Length | Span | Span | Span | Span | Span | Span | Span | Span | Span | Span | Span | Span | Struct | Vertical |
| | | | | | | | Sag | Sag | Sag | Sag | Sag | Sag | Sag | Sag | Sag | Sag | Sag | Sag | Number | Projection |
| | | | | | | -20 C | -15 C | -10 C | -5 C | 0 C | 5 C | 10 C | 15 C | 20 C | 25 C | 30 C | 35 C | 40 C | 45 C | 50 C |
| | | | | | | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (m) |
| 1 | 7 | 1V5525N | 7 | 1 | 76.0 | 2.68 | 2.72 | 2.76 | 2.79 | 2.83 | 2.87 | 2.91 | 2.94 | 2.98 | 3.01 | 3.05 | 3.08 | 3.12 | 3.15 | 3.18 |
| | | | | | | | | | | | | | | | | | | | 1 | -16.96 |

| + Span From | + + Span To | + Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz | Horiz |
|--------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Str. Set Ph. | Str. Set Ph. | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension | Tension |
| | | -20 C | -15 C | -10 C | -5 C | 0 C | 5 C | 10 C | 15 C | 20 C | 25 C | 30 C | 35 C | 40 C | 45 C | 50 C | | | |
| | | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) | (N) |
| 1 | 7 | 1V5525N | 7 | 1 | 1904 | 1877 | 1851 | 1826 | 1800 | 1777 | 1754 | 1733 | 1712 | 1692 | 1673 | 1654 | 1636 | 1618 | 1601 |