

**TR Říčov - rek.R110kV, sek.tech., VS, PZTS**  
**Montážní tabulky pro KZL**  
**V504/549**

## Stringing Chart Report

Section #14 from structure #5 to structure #1, start set #7 'ZL', end set #7 'ZL'

Cable 'O:\PROLinCZPHA\22129\_TR Říčov-rek\_R110KV\PLS\lana\opgw\_2s 2\_24 M167\_R91-228', Ruling span (m) 266.082

Sagging data: Catenary (m) 1050, Horiz. Tension (N) 7234.5 Condition C 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 Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Span Sag	Struct Number	Vertical 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)		(m)	
5	7	1	4	7	1	248.0	6.34	6.46	6.59	6.71	6.84	6.96	7.08	7.20	7.32	7.44	7.55	7.67	7.78	7.90	8.01	5	-0.91
4	7	1	3	7	1	314.0	10.44	10.62	10.78	10.95	11.12	11.28	11.44	11.59	11.75	11.89	12.04	12.19	12.33	12.47	12.61	4	-2.64
3	7	1	2	7	1	265.1	7.21	7.36	7.51	7.66	7.81	7.95	8.09	8.23	8.37	8.50	8.63	8.76	8.89	9.02	9.15	3	1.65
2	7	1	1	7	1	198.0	3.85	3.95	4.05	4.15	4.26	4.36	4.47	4.57	4.67	4.77	4.87	4.97	5.07	5.17	5.26	2	-6.07

+ 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.	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)			
5	7	1	4	7	1	8358	8196	8041	7893	7742	7607	7477	7353	7235	7120	7011	6905	6804	6706	6612
4	7	1	3	7	1	8140	8008	7883	7763	7641	7532	7428	7329	7234	7144	7056	6972	6891	6814	6739
3	7	1	2	7	1	8393	8223	8061	7908	7752	7613	7481	7355	7235	7119	7009	6904	6803	6707	6614
2	7	1	1	7	1	8774	8547	8332	8127	7923	7738	7562	7395	7234	7082	6936	6797	6664	6537	6414

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**V504/549**

## Stringing Chart Report

Section #15 from structure #1 to structure #TR549, start set #7 'ZL', end set #7 ''

Cable 'O:\PROLinCZPHA\22129\_TR Řípov-rek\_R110KV\PLS\lana\opgw\_2s\_2\_24\_M167\_R91-228', Ruling span (m) 71.7985

Sagging data: Catenary (m) 232.221, Horiz. Tension (N) 1600 Condition C 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)	(m)		
1	7	1	TR549	7	1	73.4	2.69	2.73	2.76	2.80	2.83	2.87	2.90	2.93	2.97	3.00	3.03	3.06	3.10	3.13	3.16	1	-15.54

+ 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	1 TR549	7	1	1766	1743	1720	1699	1676	1656	1637	1618	1600	1583	1566	1549	1533	1518	1503