

**TR Řípov - rek.R110kV, sek.tech., VS, PZTS**  
**Montážní tabulky pro ZL**  
**V5580/5581**

## Stringing Chart Report

Section #2 from structure #1 to structure #V5581N, start set #7 '', end set #8 ''

Cable 'O:\PROLinCZPHA\22129\_TR Řípov-rek\_R110KV\PLS\lana\183\_AL1\_43\_ST1A\_30dC', Ruling span (m) 51.8373

Sagging data: Catenary (m) 164, Horiz. Tension (N) 1367.6 Condition C Temperature (deg C) -5

Weather case for final after creep 80°C, Equivalent to 29.6 (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	1V5581N	8	1	56.9	2.43	2.46	2.50	2.53	2.56	2.59	2.62	2.65	2.68	2.71	2.73	2.76	2.79	2.82	2.84
																			1	-25.64

+ Span From	+ + Span To		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
			-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)
1	7	1V5581N	8	1	1521	1502	1483	1465	1446	1429	1413	1397	1382	1368	1353	1340	1326	1313	1300

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## Stringing Chart Report

Section #3 from structure #1 to structure #V5580N, start set #8 '', end set #7 ''

Cable 'O:\PROLinCZPHA\22129\_TR Řípov-rek\_R110KV\PLS\lana\183\_AL1\_43\_ST1A\_30dC', Ruling span (m) 53.1221

Sagging data: Catenary (m) 164, Horiz. Tension (N) 1367.6 Condition C Temperature (deg C) -5

Weather case for final after creep 80°C, Equivalent to 30.0 (deg C) temperature increase

Weather case for final after load 40°C, Equivalent to 0.3 (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	Struct	Vertical
							-20 C		-15 C		-10 C		-5 C		0 C		5 C		10 C		
						(m)	(m)		(m)		(m)		(m)		(m)		(m)		(m)		(m)
1	8	1V5580N	7	1		58.1	2.54		2.57		2.60		2.63		2.67		2.70		2.73		2.76

+ Span From	+ + Span To	+ Horiz	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	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)				
1	8	1V5580N	7	1	1513	1495	1477	1460	1442	1426	1411	1396	1382	1368	1354	1341	1328	1316	1303	