

## Full Locked Cable - GALFAN

**European technical assessment:** Part of ETA-11/0160.

**Material:** Unalloyed quality steel

**Corrosion protection:** Inner layers: Hot dip galvanized with inner filling

Outer layers: GALFAN coated without inner filling

**E modulus:** 160 kN/mm<sup>2</sup>

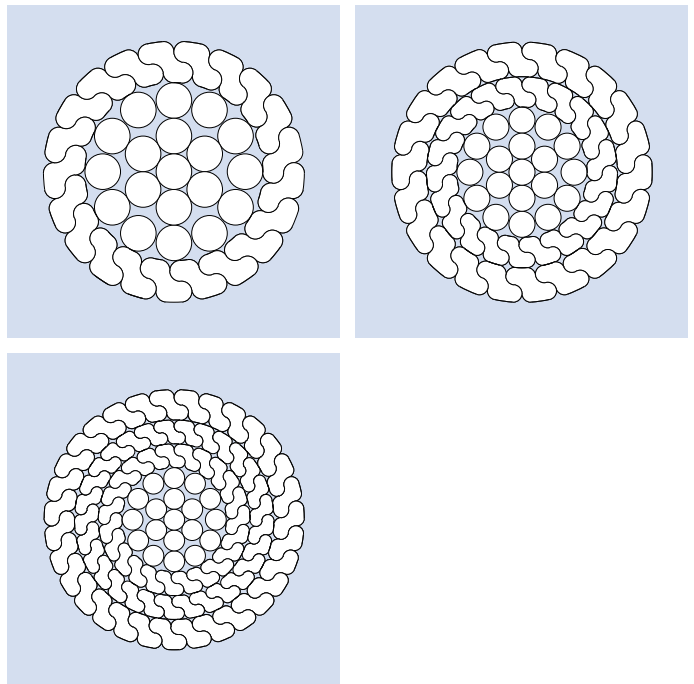
**Tolerance E-Modulus:** ± 10 kN/mm<sup>2</sup>

**Tolerance nom. strand diameter:** + 3 %

**Design:** construction: VVS-1 = 1, VVS-2 = 2, VVS-3 = 3 and more layers z-profiled wires

Subject to technical modifications!

**Technical details:** Due to prestressing and / or differing weather conditions inner filling may escape to the surface.



Size		PV 40	PV 60	PV 90	PV 115	PV 150	PV 195	PV 240	PV 300	PV 360	PV 420	PV 490	PV 560	PV 640
Cable construction		VVS-1	VVS-1	VVS-2	VVS-2	VVS-2	VVS-2	VVS-2	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3
Limit tension acc. EC3	$Z_{R,d}$ kN	270	414	611	780	1013	1287	1587	2013	2393	2813	3260	3747	4260
Charact. breaking load acc. to EC3	$Z_{B,k}$ kN	405	621	916	1170	1520	1930	2380	3020	3590	4220	4890	5620	6390
Nomin. strand diameter	$\varnothing D_c$ mm	21	26	31	35	40	45	50	55	60	65	70	75	80
Approx. metallic cross section	mm <sup>2</sup>	281	430	634	808	1060	1340	1650	2090	2490	2920	3390	3890	4420
Weight	kg/m	2.4	3.6	5.3	6.8	8.9	11.2	13.8	17.2	20.5	24.1	27.9	32.1	36.4

Size		PV 720	PV 810	PV 910	PV 1010	PV 1110	PV 1220	PV 1340	PV 1450	PV 1580	PV 1730	PV 1860	PV 2000	
Cable construction		VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	VVS-3	
Limit tension acc. EC3	$Z_{R,d}$ kN	4807	5393	6073	6733	7400	8133	8933	9667	10533	11533	12400	13333	
Charact. breaking load acc. to EC3	$Z_{B,k}$ kN	7210	8090	9110	10100	11100	12200	13400	14500	15800	17300	18600	20000	
Nomin. strand diameter	$\varnothing D_c$ mm	85	90	95	100	105	110	115	120	125	130	135	140	
Approx. metallic cross section	mm <sup>2</sup>	4990	5600	6310	6990	7710	8460	9240	10100	10900	11900	12900	13900	
Weight	kg/m	41.1	46.2	52	57.6	63.5	69.7	76.2	83.2	89.8	96.7	104.8	112.9	