



Self-supporting pendant & lift cables

BAULIFT-T / BAULIFT-W

300/500 V Construction Hoist & Lift Cable

Composite power + control rack-and-pinion construction lift cable for baskets & trolleys



300/500 V

80 m · 1,000 N

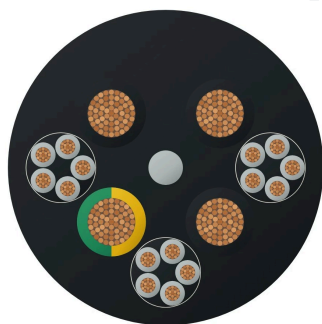
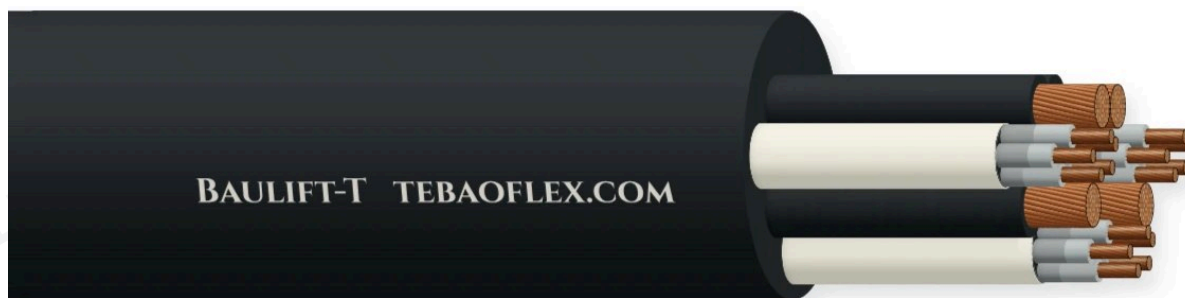
Basket (T) & Trolley (W)

Application

Specialized 300/500 V composite power-and-control trailing cable (BAULIFT-T for gravity baskets, BAULIFT-W for mast trolleys) for rack-and-pinion construction hoists and mast climbers up to 80 m suspended height and 1,000 N tensile load.

Typical uses: Rack-and-pinion construction hoists, Personnel & material mast lifts, Mast-climbing work platforms, Tower crane operator cab lifts, Temporary bridge & silo service lifts, Industrial vertical shaft hoists

Construction



Cross-section, not to scale

1 ConductorDIN VDE 0295 / IEC 60228
Class 5**2** Central strain-bearing supportSupports up to 80 m free-
hanging mast height**3** Core insulation**4** Inner sheath / bedding**5** Outer sheath

Technical data

Typical values

Rated voltage U0/U	300/500 V	AC test voltage	3,000 V
Insulation resistance	≥ 20 MΩ × km	Ambient temperature — flexing / moved	-30 to +70 °C (gravity coiling into BAULIFT-T basket down to 0 °C)
Ambient temperature — fixed installation	-40 to +70 °C	Max. suspended height & tensile load	Up to 80 m free suspended height · 1,000 N max. tensile force
Min. bending radius & basket diameter	5 × cable diameter D flexing · Min. basket diameter 450 mm (BAULIFT-T)	Standards	DIN VDE 0295 / IEC 60228 Class 5 bare copper · Power cores VDE 0293 colour-coded + numbered 1 mm² control cores
Standard packing	Drums or pre-cut hoist drop lengths (e.g. 50 m / 80 m / 100 m)		

Sizes

21 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Power + control cores	Power AWG ≈	Outer Ø ≈ mm	Copper kg/km	Weight ≈ kg/km	Min. bend R mm	Max. pull N
BAULIFT-T (Basket · 13 sizes) 13 sizes							
☐ BAULIFT-T 4G2.5 + 6×1.0	4G2.5 + 6 × 1.0	14	13.8	160	290	69	1,000
☐ BAULIFT-T 5G2.5 + 2×1.0	5G2.5 + 2 × 1.0	14	13.0	145	255	65	1,000
☐ BAULIFT-T 5G2.5 + 5×1.0	5G2.5 + 5 × 1.0	14	13.7	175	286	69	1,000
☐ BAULIFT-T 4G4 + 6×1.0	4G4 + 6 × 1.0	12	15.5	220	390	78	1,000
☐ BAULIFT-T 5G4 + 5×1.0	5G4 + 5 × 1.0	12	15.4	248	391	77	1,000
☐ BAULIFT-T 4G6 + 6×1.0	4G6 + 6 × 1.0	10	17.2	300	495	86	1,000
☐ BAULIFT-T 4G6 + 10×1.0	4G6 + 10 × 1.0	10	19.1	340	580	96	1,000
☐ BAULIFT-T 5G6 + 5×1.0	5G6 + 5 × 1.0	10	19.4	342	540	97	1,000
☐ BAULIFT-T 4G10 + 6×1.0	4G10 + 6 × 1.0	8	20.9	460	740	105	1,000
☐ BAULIFT-T 4G10 + 10×1.0	4G10 + 10 × 1.0	8	20.6	500	750	103	1,000
☐ BAULIFT-T 5G10 + 5×1.0	5G10 + 5 × 1.0	8	21.9	534	800	110	1,000
☐ BAULIFT-T 4G16 + 6×1.0	4G16 + 6 × 1.0	6	24.0	700	1,020	120	1,000
☐ BAULIFT-T 5G16 + 15×1.0	5G16 + 15 × 1.0	6	29.3	950	1,525	147	1,000
BAULIFT-W (Trolley · 8 sizes) 8 sizes							
☐ BAULIFT-W 4G6 + 10×1.0	4G6 + 10 × 1.0	10	17.9	340	520	90	1,000
☐ BAULIFT-W 4G10 + 10×1.0	4G10 + 10 × 1.0	8	19.4	500	710	97	1,000
☐ BAULIFT-W 4G10 + 12×1.0	4G10 + 12 × 1.0	8	20.9	520	750	105	1,000
☐ BAULIFT-W 4G16 + 10×1.0	4G16 + 10 × 1.0	6	22.7	740	955	114	1,000
☐ BAULIFT-W 4G16 + 12×1.0	4G16 + 12 × 1.0	6	24.4	760	1,050	122	1,000
☐ BAULIFT-W 4G25 + 10×1.0	4G25 + 10 × 1.0	4	26.8	1,100	1,410	134	1,000
☐ BAULIFT-W 4G25 + 12×1.0	4G25 + 12 × 1.0	4	28.4	1,120	1,480	142	1,000
☐ BAULIFT-W 5G10 + 15×1.0	5G10 + 15 × 1.0	8	24.6	650	895	123	1,000

– BAULIFT-T is torsion-compensated for gravity coiling into a collection basket (min. Ø 450 mm); BAULIFT-W is optimized for mast-guided cable trolleys.

Conductor resistance & ampacity

7 sizes

Conductor mm²	AWG ≈	Max. R20 Ω/km	Current rating in air 30 °C, A	Short-circuit 1 s kA
1.0 (control)	18	19.5	15	0.14
2.5 (power)	14	7.98	26	0.36
4 (power)	12	4.95	34	0.57
6 (power)	10	3.3	44	0.86

Conductor mm ²	AWG ≈	Max. R ₂₀ Ω/km	Current rating in air 30 °C, A	Short-circuit 1 s kA
10 (power)	8	1.91	61	1.43
16 (power)	6	1.21	82	2.29
25 (power)	4	0.78	108	3.58

– Current ratings apply for 3 loaded phase conductors in free air at 30 °C ambient per DIN VDE 0298-4.

Standards and approvals

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/baulift-t-baulift-w-construction-lift-cable



Typical values for this cable type, based on DIN VDE 0250. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.