

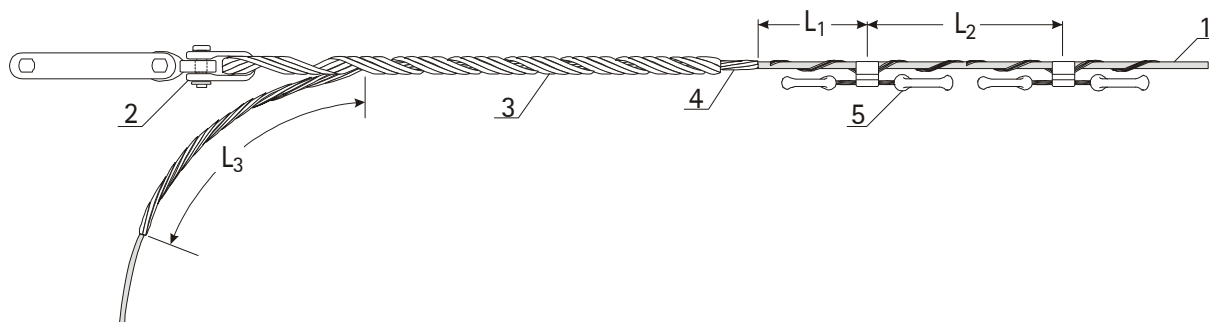


| | | |
|-------------------|--|---|
| NÁZEV AKCE | V1381/1382/1398 - modernizace vedení | Č.STAVBY: 1020001721 |
| | | Č.OBJ: 4501240560 |
| STAVEBNÍK | E.ON Distribuce, a.s., F.A. Gerstnera 2151/6, 370 01 Č. Budějovice |  |
| STATUS/STUPEŇ | Dokumentace pro provádění stavby (DPS) | |
| ČÁST | D.2 Dokumentace technických a technologických zařízení | |
| ZHOT. DOKUMENTACE | Elektrovod a.s. – Slovenská republika, odštěpný závod, Čechova 395/59, 370 01 České Budějovice |  |
| KONTAKTNÍ OSOBA | Ing. Josef Chaloupka, chalouka@elektrovod.eu | |
| ARCHIVNÍ ČÍSLO | EV 461-20-886 | |
| ZOD. PROJEKTANT | Ing. Josef Chaloupka | DATUM: 12/2020 |
| VYPRACOVAL | Ing. Josef Chaloupka | ČÍSLO VÝKRESU: |
| KONTRLOVAL | Ing. Vít Brůžek | D.2 b) - 10 |
| MÍSTO STAVBY | V1381/82/98 | KÓD LOKALITY: |
| SO/PS | SO 01.2 | TAB-PLA-VES |
| MAJETKOVÁ TŘÍDA | CZD00002 | ARCHIVNÍ ČÍSLO: |
| DRUH DOKUMENTU | VÝKRES | |
| NÁZEV DOKUMENTU | Montáž tlumičů vibrací | STRÁNKA / CELKEM: |
| | | 1 / 6 |

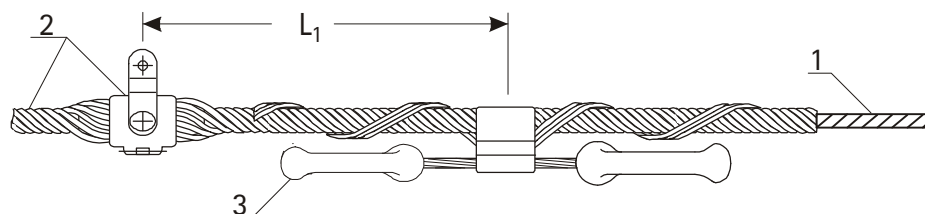
| | | |
|------------------------|---|-------------------|
| OPGW | : 2S 2/24 (M112 / R62-101) – 14,45mmØ | Study: |
| Customer | : Elektrovod, a.s. | 2020_347 |
| Project | : 2x110 kV Nr.: V1381/82/98 | |
| Conductor self damping | : Estimated on basis of similar OPGW's | Date: |
| Every Day Stress (EDS) | : ≤ 59,6MPa (for 10°C) | 29.10.2020 |

Tension tower:



- | | | |
|--------|------------------------|-------------|
| 1..... | OPGW/ ADSS..... | |
| 2..... | Thimble..... | F02686A02 |
| 3..... | Dead end..... | AW225153s |
| 4..... | Protection rods..... | RW148200lis |
| 5..... | Vibration damper..... | B853002A01 |
| | with helical rods..... | TW148040 |
- $L_1 \approx 0,5 \text{ m}$
 $L_2 = 0,6 \text{ m}$
 $L_3 \approx 0,4 \text{ m}$

Suspension tower:

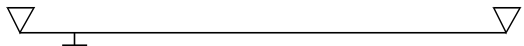
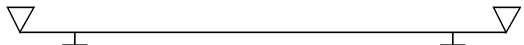

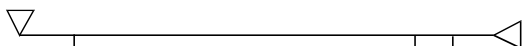
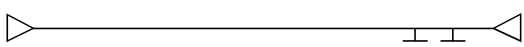
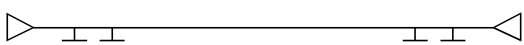





- | | | |
|--------|------------------------|----------------|
| 1..... | OPGW/ ADSS..... | |
| 2..... | Amour grip suspension. | LTA144180/6lis |
| 3..... | Vibration damper..... | B853002A06 |
| | with helical rods..... | TW252062 |
- $L_1 = 0,6 \text{ m}$

The damper locations are only valid for the damper type numbers shown in the drawing. They are not transferrable to other damper types. Ignoring this warning may cause damage of the cable or the damper.

OPGW : **2S 2/24 (M112 / R62-101) – 14,45mmØ**
 Customer : **Elektrovod, a.s.**
 Project : **2x110 kV Nr.: V1381/82/98**
 Conductor self damping : **Estimated on basis of similar OPGW's**
 Every Day Stress (EDS) : **≤ 59,6MPa (for 10°C)**

Study:
2020_347
 Date:
29.10.2020

| | | max. span length | Damper left | Damper right |
|---|-------|------------------|-------------|--------------|
|  | S - S | < 240 m | type 1 | ----- |
|  | S - S | 240 – 290 m | type 1 | type 1 |
|  | S - T | < 240 m | ----- | type 2 |
|  | S - T | 240 – 290 m | type 1 | type 2 |
|  | T - T | < 240 m | ----- | type 2 |
|  | T - T | 240 – 290 m | type 2 | type 2 |

Symbols:  suspension (S)  tension (T)  vibration damper

type 1: B853002A06

type 2: B853002A01

The damper locations are only valid for the damper type numbers shown in the drawing. They are not transferrable to other damper types. Ignoring this warning may cause damage of the cable or the damper.

2x110 kV Transmission line Nr.: V1381/82/98
2S 2/24 (M112 / R62-101) – 14,45mmØ

| | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-----------|----|----|--|
| | | II | II | I | II | II | I | II | II | |
| Tower no. | 28 | 1 | 2 | 3 | 4 | 5 | Por.Plana | | | |
| Tower type | T | T | S | T | S | T | T | | | |
| Span length [m] | 49,8 | 199,9 | 270,0 | 289,1 | 187,5 | 38,3 | | | | |
| Tension [MPa] | 56,96 | 55,14 | 55,14 | 59,55 | 59,55 | 15,24 | | | | |

| | |
|----|---|
| 12 | T |
| 2 | S |

Damper B853002A01: 12 pieces
Damper B853002A06: 2 pieces

| | |
|---|------------------|
| T | Tension tower |
| S | Suspension tower |

RIBE
Electrical Fittings
2020_347
30.10.2020

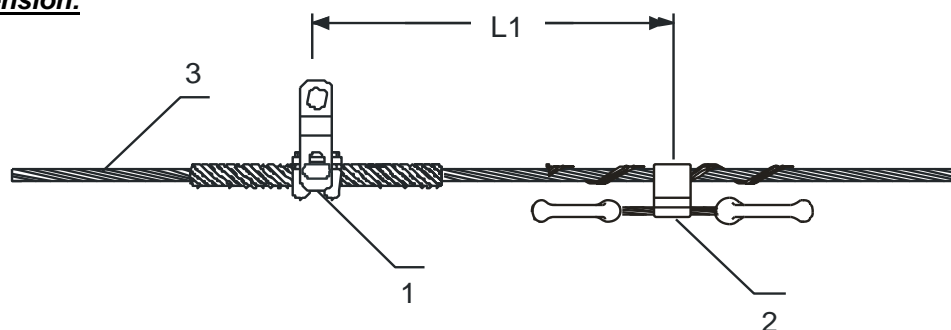
11/5/2020

customer: Elektrovod a.s.
project: V1381/1382/1398 - modernizace vedení

conductor: **243-AL3**
(Ø20.3)

EDS (10°C): max. 40.1 N/mm²

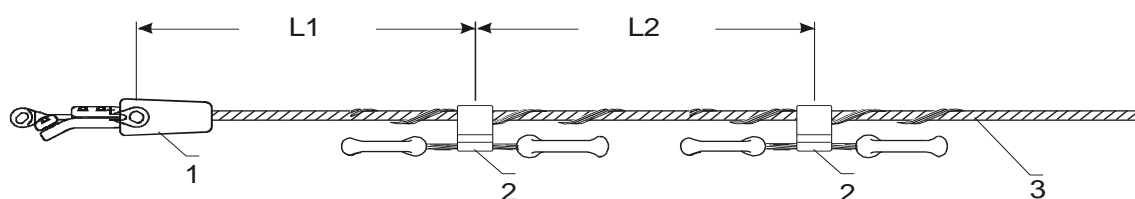
Suspension:



- 1 - suspension clamp: F03228A03KB
- 2 - damper: B161002A02
- 3 - conductor: 243-AL3

L1 = 0,80 m

Tension:



- 1 - tension clamp: B118223A01
- 2 - damper: B161002A02
- 3 - conductor: 243-AL3

L1 = 1,00 m

L2 = 0,80 m

The damper locations are only valid for the damper type numbers shown in the drawing. They are not transferable to other damper types. Ignoring this warning may cause damage of conductor or damper.