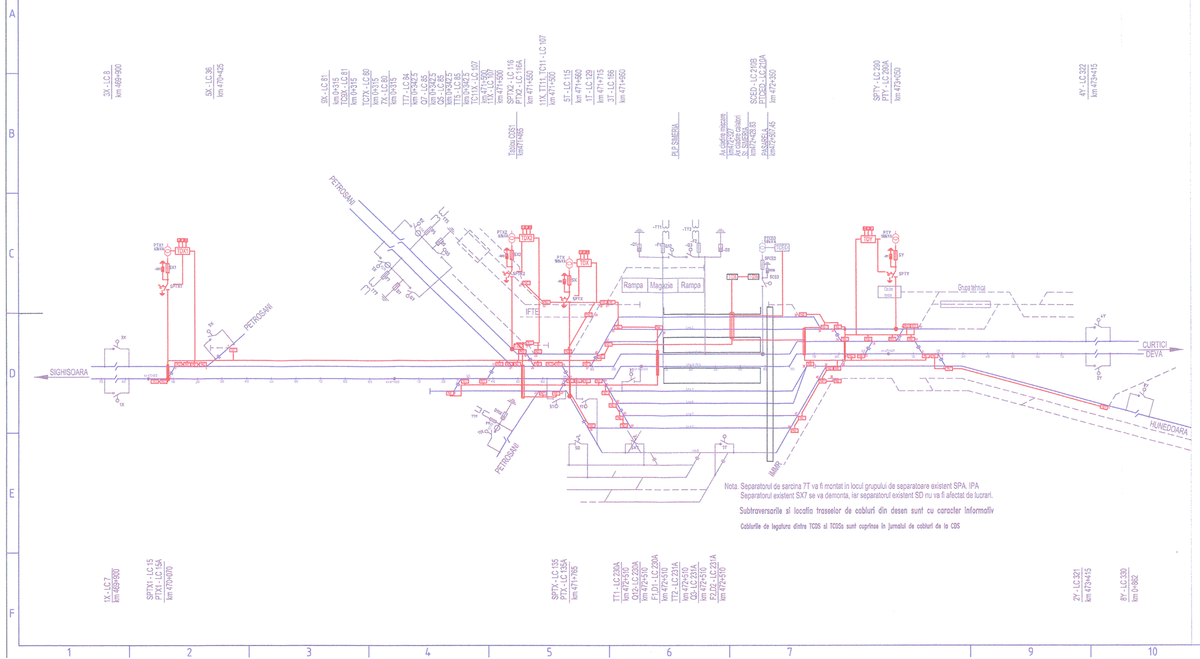


## JURNAL DE CABLURI
## CABLE LIST

| No. No | De la From | La To | Tip Type | ID | Lungime Length [m] | Descriere Description |
|---|---|---|---|---|---|---|
| 1 | Cablare migrare Traffic building | TDK | CEDERAM1 12x2.5 mm² | 9YAA | 995 | comandă și semnalizare / command and signaling |
| 2 | Tablou TRAF Traffic Panel | TDKI | CEDERAM1 12x2.5 mm² | 9YAB | 1810 | comandă și semnalizare / command and signaling |
| 3 | Tablou TRAF Traffic Panel | TDKD | CEDERAM1 12x2.5 mm² | 9YAC | 59 | comandă și semnalizare / command and signaling |
| 4 | Cablare migrare Traffic building | TDY | CEDERAM1 12x1.5 mm² | 9YAD | 765 | comandă și semnalizare / command and signaling |
| 5 | PTX | TDX | CDXAY 3x6.0 mm² | WTDX | 15 | alimentare tablou distribuție TDX / power supply for distribution box TDX |
| 6 | PTXI | TDXI | CDXAY 3x10 mm² | WTDXI | 15 | alimentare tablou distribuție TDX / power supply for distribution box TDX |
| 7 | PTXD | TDXD | CDXAY 3x10 mm² | WTDXD | 15 | alimentare tablou distribuție TDX / power supply for distribution box TDX |
| 8 | PTY | TDY | CDXAY 3x6.0 mm² | WTDY | 15 | alimentare tablou distribuție TDY / power supply for distribution box TDY |
| 9 | PTSED | Cablare migrare | CDXAY 2x6.0 mm² | WPTSED | 45 | alimentare sursă SED / SE backup source |
| 10 | TDX | O | CDXAY 3x1.5 mm² | WSDX | 32 | senzor de temperatură / temperature sensor |
| 11 | TDX | Su | CDXAY 3x1.5 mm² | WSu | 1.5 | senzor de umiditate / humidity sensor |
| 12 | TDX | Se | CDXAY 3x1.5 mm² | WSe | 1.5 | senzor de căldură / snow sensor |
| 13 | TDXI | O | CDXAY 3x1.5 mm² | WSDXI | 40 | senzor de temperatură / temperature sensor |
| 14 | TDXI | Su | CDXAY 3x1.5 mm² | WSuI | 1.5 | senzor de umiditate / humidity sensor |
| 15 | TDXI | Se | CDXAY 3x1.5 mm² | WSeI | 1.5 | senzor de căldură / snow sensor |
| 16 | TDXD | O | CDXAY 3x1.5 mm² | WSDXD | 25 | senzor de temperatură / temperature sensor |
| 17 | TDXD | Su | CDXAY 3x1.5 mm² | WSuD | 1.5 | senzor de umiditate / humidity sensor |
| 18 | TDXD | Se | CDXAY 3x1.5 mm² | WSeD | 1.5 | senzor de căldură / snow sensor |
| 19 | TDY | O | CDXAY 3x1.5 mm² | WSDY | 25 | senzor de temperatură / temperature sensor |
| 20 | TDY | Su | CDXAY 3x1.5 mm² | WSuY | 1.5 | senzor de umiditate / humidity sensor |
| 21 | TDY | Se | CDXAY 3x1.5 mm² | WSeY | 1.5 | senzor de căldură / snow sensor |
| 22 | TDX | SPTX | CEDERAM1 3x1.5 mm² | WX | 30 | comandă și semnalizare / command and signaling |
| 23 | TDXI | SPTXI | CEDERAM1 3x1.5 mm² | WXI | 25 | comandă și semnalizare / command and signaling |
| 24 | TDXD | SPTXD | CEDERAM1 3x1.5 mm² | WXD | 25 | comandă și semnalizare / command and signaling |
| 25 | TDY | SPTY | CEDERAM1 3x1.5 mm² | WY | 25 | comandă și semnalizare / command and signaling |
| 26 | TDXI | PA1.1 | CDXAY 2x4 mm² | W1.1 | 30 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 27 | PA1.1 | PA1.2 | CDXAY 2x4 mm² | W1.2 | 10 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 28 | TDXI | PA3.1 | CDXAY 2x10 mm² | W3.1 | 110 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 29 | PA3.1 | PA3.2 | CDXAY 2x2.5 mm² | W3.2 | 10 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 30 | TDXI | PA5.1 | CDXAY 2x10 mm² | W5.1 | 160 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 31 | PA5.1 | PA5.2 | CDXAY 2x2.5 mm² | W5.2 | 10 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 32 | TDXI | PA7.1 | CDXAY 2x16 mm² | W7.1 | 365 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 33 | TDXD | PA9.1 | CDXAY 2x10 mm² | W9.1 | 305 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 34 | TDXD | PA11.1 | CDXAY 2x10 mm² | W11.1 | 325 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 35 | TDXD | PA13.1 | CDXAY 2x6 mm² | W13.1 | 150 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 36 | TDXD | PA15.1 | CDXAY 2x6 mm² | W15.1 | 135 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 37 | TDXD | PA17.1 | CDXAY 2x4 mm² | W17.1 | 25 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 38 | TDXD | PA19.1 | CDXAY 2x4 mm² | W19.1 | 30 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 39 | TDXD | PA21.1 | CDXAY 2x4 mm² | W21.1 | 35 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 40 | PA21.1 | PA21.2 | CDXAY 2x2.5 mm² | W21.2 | 10 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 41 | TDXD | PA23.1 | CDXAY 2x4 mm² | W23.1 | 85 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 42 | TDXD | PA27.1 | CDXAY 2x4 mm² | W27.1 | 110 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 43 | TDXD | PA29.1 | CDXAY 2x4 mm² | W29.1 | 115 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 44 | TDXD | PA33.1 | CDXAY 2x6 mm² | W33.1 | 175 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 45 | TDXD | PA35.1 | CDXAY 2x4 mm² | W35.1 | 90 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 46 | TDXD | PA37.1 | CDXAY 2x10 mm² | W37.1 | 140 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 47 | PA37.1 | PA37.2 | CDXAY 2x2.5 mm² | W37.2 | 10 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 48 | TDX | PA41.1 | CDXAY 2x4 mm² | W41.1 | 30 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 49 | PA41.1 | PA41.2 | CDXAY 2x2.5 mm² | W41.2 | 10 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 50 | TDX | PA45.1 | CDXAY 2x4 mm² | W45.1 | 90 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 51 | TDX | PA49.1 | CDXAY 2x4 mm² | W49.1 | 105 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 52 | TDX | PA51.1 | CDXAY 2x4 mm² | W51.1 | 130 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 53 | TDX | PA55.1 | CDXAY 2x4 mm² | W55.1 | 115 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 54 | TDX | PA61.1 | CDXAY 2x6 mm² | W61.1 | 160 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 55 | TDX | PA63.1 | CDXAY 2x10 mm² | W63.1 | 170 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 56 | TDX | PA65.1 | CDXAY 2x10 mm² | W65.1 | 200 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 57 | TDX | PA67.1 | CDXAY 2x10 mm² | W67.1 | 260 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 58 | TDX | PA69.1 | CDXAY 2x4 mm² | W69.1 | 40 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 59 | TDX | PA43.1 | CDXAY 2x4 mm² | W43.1 | 60 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 60 | TDX | PA59.1 | CDXAY 2x6 mm² | W59.1 | 170 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 61 | TDX | PA53.1 | CDXAY 2x10 mm² | W53.1 | 260 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 62 | TDX | PA27.1 | CDXAY 2x4 mm² | W27.1 | 35 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 63 | TDX | PA31.1 | CDXAY 2x4 mm² | W31.1 | 95 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 64 | TDX | PA47.1 | CDXAY 2x4 mm² | W47.1 | 110 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 65 | TDX | PA39.1 | CDXAY 2x4 mm² | W39.1 | 65 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 66 | TDY | PA44.1 | CDXAY 2x16 mm² | W44.1 | 450 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 67 | TDY | PA42.1 | CDXAY 2x16 mm² | W42.1 | 480 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 68 | TDY | PA40.1 | CDXAY 2x16 mm² | W40.1 | 550 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 69 | TDY | PA38.1 | CDXAY 2x10 mm² | W38.1 | 340 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 70 | TDY | PA36.1 | CDXAY 2x10 mm² | W36.1 | 330 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 71 | TDY | PA34.1 | CDXAY 2x10 mm² | W34.1 | 310 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 72 | TDY | PA32.1 | CDXAY 2x10 mm² | W32.1 | 300 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 73 | TDY | PA30.1 | CDXAY 2x10 mm² | W30.1 | 335 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 74 | TDY | PA28.1 | CDXAY 2x10 mm² | W28.1 | 320 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 75 | TDY | PA26.1 | CDXAY 2x10 mm² | W26.1 | 310 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 76 | TDY | PA24.1 | CDXAY 2x10 mm² | W24.1 | 320 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 77 | TDY | PA22.1 | CDXAY 2x10 mm² | W22.1 | 260 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 78 | TDY | PA20.1 | CDXAY 2x10 mm² | W20.1 | 210 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 79 | TDY | PA8.1 | CDXAY 2x6 mm² | W8.1 | 155 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 80 | TDY | PA18.1 | CDXAY 2x4 mm² | W18.1 | 65 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 81 | TDY | PA16.1 | CDXAY 2x4 mm² | W16.1 | 25 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 82 | TDY | PA4.1 | CDXAY 2x10 mm² | W4.1 | 270 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 83 | TDY | PA14.1 | CDXAY 2x4 mm² | W14.1 | 70 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 84 | TDY | PA12.1 | CDXAY 2x4 mm² | W12.1 | 90 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 85 | TDY | PA10.1 | CDXAY 2x4 mm² | W10.1 | 75 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 86 | TDY | PA6.1 | CDXAY 2x6 mm² | W6.1 | 165 | alimentare cuie tensiometrice izolare / insulation transformer box supply |
| 87 | TDY | PA2.1 | CDXAY 2x25 mm² | W2.1 | 550 | alimentare cuie tensiometrice izolare / insulation transformer box supply |

## LEGENDA / LEGEND

- TD — Tablou de distribuție / Distribution panel
- PA1 — Cuflă cu transformatoare de izolare / Box with insulating transformers
- Q12 — Separator acționat manual / Manual operated disconnector
- Dx — Descărcător cu ZnO / ZnO surge arrester
- Fx — Siguranță fuzibilă de înaltă tensiune / High voltage fuse
- Tx — Transformator de putere / Power transformer
- Cablurile de energie și semnalizare – Energy and signalisation cables
- Linii noi electrificate - Electrified new lines
- Linii noi neelectrificate - Unelectrified new lines
- Linii existente electrificate - Electrified existing lines
- Subtraversare – Undercrossing
- TCDS — Panou principal CDS – Main CDS panel
- TCDSs — Panou secundar CDS – Secondary CDS panel

| Verificator / Expert Checker / Expert | Cerința Requirement | Semnătura Signature | Referat / Expertiza Report / Expertise |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

| PROIECTANT / DESIGNER: PÖYRY | | | Data Date | Semnatura Signature |
|---|---|---|---|---|
| Aprobat Approved | Sef de echipa Team leader | C. Teodorescu | 01.2013 | |
| Verificat Checked | Expert Cheie Key Expert | D. Stanescu | 01.2013 | |
| Subcontractant / Subcontractor VIOTOP | | | | |
| Aprobat Approved | Adjunct Sef de echipa Deputy Team leader | A.M. Baicu | 01.2013 | |
| Proiectat Designed | Inginer Engineer | M. Golea | 01.2013 | |

**"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h"**
**Tronsonul 3 : Gurasada - Simeria**
**"Rehabilitation of the Railway Line Border - Curtici - Simeria, component Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"**
**Section 3 : Gurasada - Simeria**

*Project 9i 35311.1*

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

SIMERIA - Incalzitoare electrice pentru macazuri / Electric heaters for points

| Scara / Scale | Revizia / Revision | Cod desen / Drawing Code | Nr / No |
|---|---|---|---|
| 1:1000 | 1/16.05.2013 | PT.03.05.28.EA.003 | 03/03 |