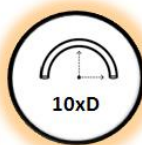
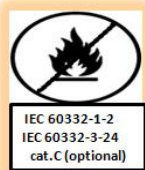
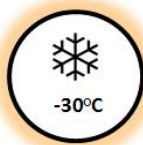




Cablu de semnalizare cu izolatie si manta de PVC, cu ecran de cupru si armatura

PVC – insulated and sheathed signal cable with copper screen and armor



Standard de fabricatie: ST 106, IEC 60502-1
Tensiune nominala U_0/U : 0.6/1 kV

Domeniul de utilizare

Cablurile se utilizeaza pentru comanda si semnalizare in instalatii electroenergetice si similare
 Cablurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in beton.

Temperatura max in functionarea de durata: +70°C

Temperatura de utilizare normala: -33°C/+60°C

Temperatura minima de montaj: -5°C

* Cablurile sunt cu rezistenta la UV

Conductor de cupru

Conductor unifilar (re), SR EN 60228

Izolatie:

PVC

Ecran: Banda de Cu-PET

Manta interioara

PVC

Armatura

Banda de otel laminata la rece nezincata sau zincata

Manta externa

PVC

Cablurile CSYEAb(z)Y sunt cu rezistenta la propagarea flacarilor; incercare conf. SR EN 60332-1-2

Iar CSYEAb(z)Y-F, sunt cu rezistenta marita la propagarea flacarilor, incercare conf. SR EN 60332-3-24/ cat.C

Marcaj pe manta

SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie, marcaj de lungime.

Raza minima de curbura la instalare

10 x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- Pe fiecare strat doua conductoare alaturate vor avea culori diferite una inchisa si cealalta deschisa, restul conductoarelor vor fi albe.

Production standard: ST 106, IEC 60502-1
Rated voltage U_0/U : 0.6/1 kV

Applicability:

Control and transmittal of signals in power generation & supply facilities and similar applications.
 The cables can be installed in open or confined areas, underground, in sewers, in concrete.

Max. temperature in long-run operation: +70°C

Normal operational temperature range: -33°C/+60°C

Minimum temperature during installation: -5°C

* UV resistant cables

Copper conductor

Solid conductor (re), SR EN 60228

Insulation

PVC

Screen: Cu-PET tape

Inner sheath

PVC

Aarmor

Blank or zinc-plated cold-rolled steel tape

Outer sheath

PVC

CSYEAb(z)Y, are flame retardant cables; test according to SR EN 60332-1-2

CSYEAb(z)Y-F, are extra flame retardant cables, test according to SR EN 60332-3-24/ C category

Sheath marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacture year, length marking.

Min. bending radius at installation

10 x cable diameter

Max. tensile strain during installation

50 N/mm²

Color coding

- Two adjacent conductors within each layer must have different colors, a dark and a light one, whereas the remaining ones must be white.



Cablu de semnalizare cu izolatie si manta de PVC, cu ecran de cupru si armatura

PVC – insulated and sheathed signal cable with copper screen and armor

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation</i> | Grosime radiala manta <i>Radial thickness of sheath</i> | | Diametru exterior nominal <i>Nominal outer diameter</i> | Rezistenta electrica, max la 20°C <i>Max. Resistance at 20°C</i> | Masa inf <i>Mass inf</i> |
|-------------------------------------------|-------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|------|------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------|
| | | | mm | Int. | | | |
| 2x1 | re | 0.8 | 0.8 | 1.4 | 13.0 | 18.1 | 283 |
| 2x1.5 | re | 0.8 | 0.8 | 1.4 | 13.5 | 12.1 | 311 |
| 2x2.5 | re | 0.8 | 0.8 | 1.4 | 14.3 | 7.41 | 360 |
| 2x4 | re | 1.0 | 0.8 | 1.4 | 16.2 | 4.61 | 471 |
| 2x6 | re | 1.0 | 0.8 | 1.4 | 17.3 | 3.08 | 552 |
| 3x1 | re | 0.8 | 0.8 | 1.4 | 11.4 | 18.1 | 307 |
| 3x1.5 | re | 0.8 | 0.8 | 1.4 | 11.9 | 12.1 | 340 |
| 3x2.5 | re | 0.8 | 0.8 | 1.4 | 12.7 | 7.41 | 400 |
| 3x4 | re | 1.0 | 0.8 | 1.4 | 14.5 | 4.61 | 531 |
| 3x6 | re | 1.0 | 0.8 | 1.4 | 15.6 | 3.08 | 579 |
| 3x10 | re | 1.0 | 0.8 | 1.4 | 17.3 | 1.83 | 600 |
| 4x1 | re | 0.8 | 0.8 | 1.4 | 14.2 | 18.1 | 343 |
| 4x1.5 | re | 0.8 | 0.8 | 1.4 | 14.8 | 12.1 | 384 |
| 4x2.5 | re | 0.8 | 0.8 | 1.4 | 15.7 | 7.41 | 457 |
| 4x4 | re | 1.0 | 0.8 | 1.4 | 18.0 | 4.61 | 616 |
| 4x6 | re | 1.0 | 0.8 | 1.4 | 19.3 | 3.08 | 742 |
| 4x10 | re | 1.0 | 0.8 | 1.4 | 19.7 | 1.83 | 760 |
| 4x16 | re | 1.0 | 1.0 | 1.8 | 22.4 | 1.15 | 1093 |
| 5x1 | re | 0.8 | 0.8 | 1.4 | 14.9 | 18.1 | 384 |
| 5x1.5 | re | 0.8 | 0.8 | 1.4 | 15.6 | 12.1 | 432 |
| 5x2.5 | re | 0.8 | 0.8 | 1.4 | 16.7 | 7.41 | 521 |
| 5x4 | re | 1.0 | 0.8 | 1.4 | 19.2 | 4.61 | 709 |
| 5x6 | re | 1.0 | 1.0 | 1.4 | 20.0 | 3.08 | 883 |
| 5x10 | re | 1.0 | 1.0 | 1.4 | 21.0 | 1.83 | 930 |
| 7x1 | re | 0.8 | 0.8 | 1.4 | 15.7 | 18.1 | 433 |
| 7x1.5 | re | 0.8 | 0.8 | 1.4 | 16.5 | 12.1 | 494 |
| 7x2.5 | re | 0.8 | 0.8 | 1.4 | 17.7 | 7.41 | 605 |
| 7x4 | re | 1.0 | 0.8 | 1.4 | 20.9 | 4.61 | 856 |
| 7x6 | re | 1.0 | 1.0 | 1.4 | 22.4 | 3.08 | 1053 |
| 9x1 | re | 0.8 | 0.8 | 1.4 | 18.1 | 18.1 | 502 |
| 9x1.5 | re | 0.8 | 0.8 | 1.4 | 19.1 | 12.1 | 575 |
| 9x2.5 | re | 0.8 | 1.0 | 1.4 | 21.0 | 7.41 | 727 |
| 9x4 | re | 1.0 | 1.0 | 1.8 | 25.1 | 4.61 | 1027 |
| 9x6 | re | 1.0 | 1.0 | 1.8 | 27.0 | 3.08 | 1265 |



Cablu de semnalizare cu izolatie si manta de PVC, cu ecran de cupru si armatura

PVC – insulated and sheathed signal cable with copper screen and armor

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation</i> | Grosime radiala manta <i>Radial thickness of sheath</i> | | Diametru exterior nominal <i>Nominal outer diameter</i> | Rezistenta electrica, max la 20°C <i>Max. Resistance at 20°C</i> | Masa inf <i>Mass inf</i> |
|-------------------------------------------|-------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|-------|------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------|
| | | | Int. | Ext . | | | |
| | | mm | | | mm | Ω/km | kg/km |
| 12x1 | re | 0.8 | 0.8 | 1.4 | 19.1 | 18.1 | 575 |
| 12x1.5 | re | 0.8 | 0.8 | 1.4 | 20.1 | 12.1 | 666 |
| 12x2.5 | re | 0.8 | 1.0 | 1.4 | 22.2 | 7.41 | 855 |
| 12x4 | re | 1.0 | 1.0 | 1.8 | 26.6 | 4.61 | 1222 |
| 12x6 | re | 1.0 | 1.0 | 1.8 | 28.7 | 3.08 | 1527 |
| 14x1 | re | 0.8 | 0.8 | 1.4 | 19.8 | 18.1 | 625 |
| 14x1.5 | re | 0.8 | 1.0 | 1.4 | 21.3 | 12.1 | 749 |
| 14x2.5 | re | 0.8 | 1.0 | 1.8 | 23.8 | 7.41 | 982 |
| 16x1 | re | 0.8 | 1.0 | 1.4 | 21.0 | 18.1 | 697 |
| 16x1.5 | re | 0.8 | 1.0 | 1.4 | 22.2 | 12.1 | 814 |
| 16x2.5 | re | 0.8 | 1.0 | 1.8 | 24.8 | 7.41 | 1073 |
| 19x1 | re | 0.8 | 1.0 | 1.4 | 21.8 | 18.1 | 767 |
| 19x1.5 | re | 0.8 | 1.0 | 1.8 | 23.8 | 12.1 | 942 |
| 19x2.5 | re | 0.8 | 1.0 | 1.8 | 25.8 | 7.41 | 1197 |
| 21x1 | re | 0.8 | 1.0 | 1.8 | 25.3 | 18.1 | 913 |
| 21x1.5 | re | 0.8 | 1.0 | 1.8 | 26.8 | 12.1 | 1068 |
| 21x2.5 | re | 0.8 | 1.0 | 1.8 | 29.2 | 7.41 | 1355 |
| 24x1 | re | 0.8 | 1.0 | 1.8 | 25.3 | 18.1 | 962 |
| 24x1.5 | re | 0.8 | 1.0 | 1.8 | 26.8 | 12.1 | 1133 |
| 24x2.5 | re | 0.8 | 1.0 | 1.8 | 29.2 | 7.41 | 1451 |
| 27x1 | re | 0.8 | 1.0 | 1.8 | 25.7 | 18.1 | 1022 |
| 27x1.5 | re | 0.8 | 1.0 | 1.8 | 27.3 | 12.1 | 1210 |
| 27x2.5 | re | 0.8 | 1.0 | 1.8 | 29.7 | 7.41 | 1561 |
| 30x1 | re | 0.8 | 1.0 | 1.8 | 26.4 | 18.1 | 1090 |
| 30x1.5 | re | 0.8 | 1.0 | 1.8 | 28.0 | 12.1 | 1296 |
| 30x2.5 | re | 0.8 | 1.0 | 1.8 | 30.6 | 7.41 | 1682 |
| 33x1 | re | 0.8 | 1.0 | 1.8 | 27.2 | 18.1 | 1159 |
| 33x1.5 | re | 0.8 | 1.0 | 1.8 | 28.9 | 12.1 | 1382 |
| 33x2.5 | re | 0.8 | 1.0 | 1.8 | 31.6 | 7.41 | 1800 |
| 37x1 | re | 0.8 | 1.0 | 1.8 | 28.1 | 18.1 | 1248 |
| 37x1.5 | re | 0.8 | 1.0 | 1.8 | 29.8 | 12.1 | 1496 |
| 37x2.5 | re | 0.8 | 1.0 | 1.8 | 33.8 | 7.41 | 2050 |
| 42x1 | re | 0.8 | 1.0 | 1.8 | 29.1 | 18.1 | 1300 |
| 42x1.5 | re | 0.8 | 1.2 | 1.8 | 31.3 | 12.1 | 1580 |



Cablu de semnalizare cu izolatie si manta de PVC, cu ecran de cupru si armatura

PVC – insulated and sheathed signal cable with copper screen and armor

| Tipodimensiune cablu <i>Cable size</i> | Tip conductor <i>Type of conductor</i> | Grosime radiala izolatie <i>Radial thickness of insulation</i> | Grosime radiala manta <i>Radial thickness of sheath</i> | | Diametru exterior nominal <i>Nominal outer diameter</i> | Rezistenta electrica, max la 20°C <i>Max. Resistance at 20°C</i> | Masa inf <i>Mass inf</i> |
|-------------------------------------------|-------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|-------|------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------|
| | | | Int. | Ext . | | | |
| | | mm | | | mm | Ω/km | kg/km |
| 48x1 | re | 0.8 | 1.0 | 1.8 | 29.6 | 18.1 | 1427 |
| 48x1.5 | re | 0.8 | 1.2 | 1.8 | 31.8 | 12.1 | 1733 |
| 52x1 | re | 0.8 | 1.0 | 1.8 | 30.3 | 18.1 | 1513 |
| 52x1.5 | re | 0.8 | 1.2 | 1.8 | 32.5 | 12.1 | 1840 |
| 56x1 | re | 0.8 | 1.2 | 1.8 | 31.5 | 18.1 | 1633 |
| 56x1.5 | re | 0.8 | 1.2 | 1.8 | 33.4 | 12.1 | 1949 |
| 61x1 | re | 0.8 | 1.2 | 1.8 | 32.3 | 18.1 | 1739 |
| 61x1.5 | re | 0.8 | 1.2 | 2.2 | 35.1 | 12.1 | 2148 |