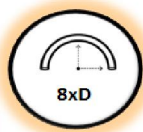
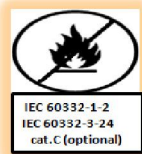
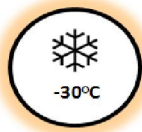
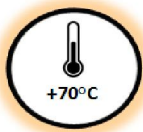
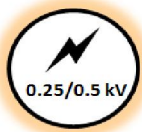


## CSYEYF, CSYE<sub>c</sub>YF, CSYEYF-F, CSYE<sub>c</sub>YF-F 0.25/0.5 kV in perechi



### Cablu de semnalizare, ecranat, cu izolatie si manta de PVC

### PVC – insulated and sheathed screened signal cables



**Standard de fabricatie:** ST 145  
**Tensiune nominala  $U_0/U$ :** 0.25/0.5 kV  
**Capacitate mutuala:** max. 150 nF/km  
**Rezistenta de izolatie:** min.200 MΩ\*km

#### Domeniul de utilizare

Cablurile sunt utilizate pentru comanda si semnalizare in statii electroenergetice si transmitere de date.

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 multifilar, cl. 5 conf. SR EN 60228

#### Izolatia

PVC

**Pas cablare pereche:** max 66 mm

#### Ecran comun

Ecran din banda de cupru pe suport de poliester 20/23 μm(CSYEcYF(-F)) sau aluminiu pe suport de poliester 9/12 μm(CSYEYF(-F))

#### Manta

PVC

Cablurile CSYEYF, CSYE<sub>c</sub>YF sunt cu rezistenta la propagarea flacarilor; incercare conf. SR EN 60332-1-2 Iar CSYEYF-F, CSYE<sub>c</sub>YF-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

8 x diametrul cablului

#### Forta maxima de tractiune la pozare

50 N/mm<sup>2</sup>

#### Cod de culori

- In fiecare pereche cond a- alb  
b- negru

\* Conductoarele vor fi numerotate in functie de pereche.

**Production standard:** ST 145

**Rated voltage  $U_0/U$ :** 0.25/0.5 kV

**Mutual capacitance:** max.150 nF/km

**Insulation resistance:** min.200 MΩ\*km

#### Applicability

Control and signal transmittal in power generation and supply facilities, data transmission

The cables can be installed in open or confined areas, underground, in sewers.

**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

Flexible conductor, class 5 acc. to SR EN 60228

#### Insulation

PVC

**Twinning length:** max. 66 mm

#### Screen:

Copper/PET tape 20/23 μm (CSYECYF(-F)) thickness or aluminium/PET tape 9/12 μm (CSYEYF(-F))

#### Sheath

PVC

CSYEYF, CSYE<sub>c</sub>YF, are flame retardant cables; test according to SR EN 60332-1-2

CSYEYF-F, CSYE<sub>c</sub>YF-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

8 x cable diameter

#### Max. tensile strain during installation

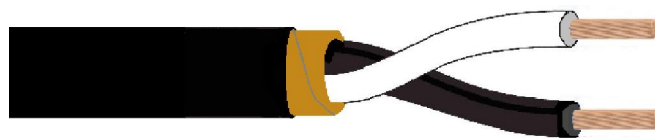
50 N/mm<sup>2</sup>

#### Color coding

- For each pair: conductor a - white  
b - black

\* The conductors will be numbered according to pair.

**CSYEYF, CSYE<sub>c</sub>YF, CSYEYF-F,  
CSYE<sub>c</sub>YF-F 0.25/0.5 kV in perechi**

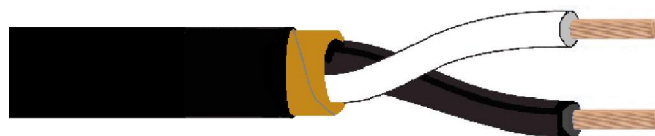


**Cablu de semnalizare, ecranat, cu izolatie si  
manta de PVC**

**PVC – insulated and sheathed screened  
signal cables**

Tipodi- mensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation radial thickness mm</i>	Grosime radiala manta <i>Sheath radial thickness mm</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Masa inf <i>Mass inf</i>
				Ω/km	mm	kg/km
1x(2x0.5)	cl5	0.5	1.8	39.0	8.0	80
2x(2x0.5)	cl5	0.5	1.8	39.0	10.7	124
3x(2x0.5)	cl5	0.5	1.8	39.0	11.2	150
4x(2x0.5)	cl5	0.5	1.8	39.0	12.2	176
5x(2x0.5)	cl5	0.5	1.8	39.0	13.1	215
6x(2x0.5)	cl5	0.5	1.8	39.0	14.1	235
7x(2x0.5)	cl5	0.5	1.8	39.0	14.1	248
8x(2x0.5)	cl5	0.5	1.8	39.0	14.8	276
9x(2x0.5)	cl5	0.5	1.8	39.0	15.7	295
10x(2x0.5)	cl5	0.5	1.8	39.0	16.5	325
12x(2x0.5)	cl5	0.5	1.8	39.0	17.3	375
14x(2x0.5)	cl5	0.5	1.8	39.0	18.4	421
15x(2x0.5)	cl5	0.5	1.8	39.0	18.9	450
16x(2x0.5)	cl5	0.5	1.8	39.0	19.1	470
19x(2x0.5)	cl5	0.5	1.8	39.0	20.6	535
20x(2x0.5)	cl5	0.5	1.8	39.0	21.1	555
1x(2x0.75)	cl5	0.5	1.8	26.0	8.4	90
2x(2x0.75)	cl5	0.5	1.8	26.0	11.4	150
3x(2x0.75)	cl5	0.5	1.8	26.0	11.7	175
4x(2x0.75)	cl5	0.5	1.8	26.0	12.9	207
5x(2x0.75)	cl5	0.5	1.8	26.0	14.0	245
6x(2x0.75)	cl5	0.5	1.8	26.0	15.1	280
7x(2x0.75)	cl5	0.5	1.8	26.0	15.1	305
8x(2x0.75)	cl5	0.5	1.8	26.0	16.0	335
9x(2x0.75)	cl5	0.5	1.8	26.0	17.0	375
10x(2x0.75)	cl5	0.5	1.8	26.0	17.9	405
12x(2x0.75)	cl5	0.5	1.8	26.0	18.6	465
14x(2x0.75)	cl5	0.5	1.8	26.0	19.7	528
15x(2x0.75)	cl5	0.5	1.8	26.0	20.4	550
16x(2x0.75)	cl5	0.5	1.8	26.0	20.9	591
19x(2x0.75)	cl5	0.5	1.8	26.0	22.4	685
20x(2x0.75)	cl5	0.5	1.8	26.0	22.8	715

**CSYEYF, CSYE<sub>c</sub>YF, CSYEYF-F,  
CSYE<sub>c</sub>YF-F 0.25/0.5 kV in perechi**



**Cablu de semnalizare, ecranat, cu izolatie si  
manta de PVC**

**PVC – insulated and sheathed screened  
signal cables**

<b>Tipodi- mensiune cablu</b> <i>Cable size</i>	<b>Tip conductor</b> <i>Type of conductor</i>	<b>Grosime radiala izolatie</b> <i>Insulation radial thickness</i> mm	<b>Grosime radiala manta</b> <i>Sheath radial thickness</i> mm	<b>Rezistenta electrica max, la 20°C</b> <i>Max. resistance at 20°C</i> Ω/km	<b>Diametru exterior nominal</b> <i>Nominal outer diameter</i> mm	<b>Masa inf</b> <i>Mass inf</i> kg/km
1x(2x1)	cl5	0.6	1.8	19.5	9.4	106
2x(2x1)	cl5	0.6	1.8	19.5	12.9	172
3x(2x1)	cl5	0.6	1.8	19.5	13.4	215
4x(2x1)	cl5	0.6	1.8	19.5	14.6	255
5x(2x1)	cl5	0.6	1.8	19.5	15.0	307
6x(2x1)	cl5	0.6	1.8	19.5	17.1	358
7x(2x1)	cl5	0.6	1.8	19.5	17.1	390
8x(2x1)	cl5	0.6	1.8	19.5	18.1	435
9x(2x1)	cl5	0.6	1.8	19.5	19.4	480
10x(2x1)	cl5	0.6	1.8	19.5	20.4	525
12x(2x1)	cl5	0.6	1.8	19.5	21.3	598
14x(2x1)	cl5	0.6	1.8	19.5	22.5	685
15x(2x1)	cl5	0.6	1.8	19.5	23.2	725
16x(2x1)	cl5	0.6	1.8	19.5	23.9	782
19x(2x1)	cl5	0.6	1.8	19.5	25.9	921
20x(2x1)	cl5	0.6	1.8	19.5	20.2	962
1x(2x1.5)	cl5	0.6	1.8	13.3	9.5	118
2x(2x1.5)	cl5	0.6	1.8	13.3	13.3	196
3x(2x1.5)	cl5	0.6	1.8	13.3	13.9	242
4x(2x1.5)	cl5	0.6	1.8	13.3	15.2	294
5x(2x1.5)	cl5	0.6	1.8	13.3	16.5	347
6x(2x1.5)	cl5	0.6	1.8	13.3	17.5	400
7x(2x1.5)	cl5	0.6	1.8	13.3	17.9	438
8x(2x1.5)	cl5	0.6	1.8	13.3	18.9	488
9x(2x1.5)	cl5	0.6	1.8	13.3	21.2	540
10x(2x1.5)	cl5	0.6	1.8	13.3	21.4	590
12x(2x1.5)	cl5	0.6	1.8	13.3	22.3	665
16x(2x1.5)	cl5	0.6	1.8	13.3	25.1	863
20x(2x1.5)	cl5	0.6	1.8	13.3	27.6	1043