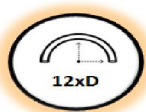
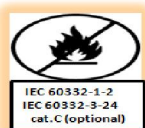
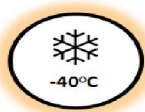
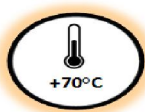
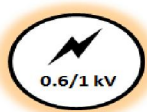


CYYF , CYYF-F

Cablu de energie cu izolatie si manta de PVC



PVC – insulated and sheathed power cable



Standard de fabricatie: SR HD 603 S1/3G-2; IEC 502
Tensiune nominala U_0/U : 0.6/1 kV
Tensiune de incercare: 4 kV ca sau 12 kV cc, 5 min
Constanta rezistentei de izolatie la 70°C: 0.037 MΩ*km

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statiile de putere.
Cablurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in beton, in tuburi si in mediu umed.

Temperatura minima de instalare pe cablu: -5°C

Temperatura maxima de lucru: +70°C

Temperatura maxima de scurt-circuit: +160°C

Conductor de cupru

Conductor multifilar, cl.5 conf. SR EN 60228

Izolatie

PVC, tip DIV 4

Manta

PVC, tip DMV5, negru sau gri

Cablurile CYYF sunt cu rezistenta la propagarea flacarii, incercare conf. SR EN 60332-1-2

Iar CYYF-F sunt cu rezistenta marita respectiv SR EN 60332-3-24/ cat.C

Marcaj pe manta

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

Raza minima de curbura la instalare

15 x diametrul cablu lui- cablu monofilar

12 x diametrul cablului- cablu multifilar

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor: negru sau galben-verde
- 2 conductoare: albastru, maro
- galben-verde, negru, pt sect >10mm²
- 3 conductoare: maro, negru, gri
- galben-verde, albastru, maro
- 4 conductoare: albastru, maro, negru, gri
- galben-verde, maro, negru, gri
- 5 conductoare: albastru, maro, negru, gri, negru
- galben-verde, albastru, maro, negru, gri

* Mai mult de 5 conductoare:

- conductoare negre numerotate
- g/v, conductoare negre numerotate

Standard: SR HD 603 S1/3G-2; IEC 502
Rated voltage U_0/U : 0.6/1 kV
Test voltage: 4 kV ac or 12 kV dc, 5 min
Insulation resistance constant at 70°C: 0.037 MΩ*km

Applicability

Power supply to power stations.
The cables can be installed in open or confined areas, underground, in sewers, in concrete, in conduits and wet environments.

The minim temperature of the cable during laying: -5°C

Max.permissible operating temperature: +70°C

Max. short-circuit temperature: +160°C

Copper conductor

Flexible conductor, cl.5 according to SR EN 60228

Insulation

PVC, DIV 4 type

Sheath

PVC, DMV5 type, black or gray

CYYF are flame retardant cables; test according to SR EN 60332-1-2

CYYF-F are extra flame retardant cables, test acc.to SR EN 60332-3-24/ C category

Sheath marking

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

Min. bending radius at installation

15 x cable diameter – singlecore cable

12 x cable diameter – multicore cable

Max. tensile strain during installation

50 N/mm²

Color coding :

- 1 conductor: black or yellow-green
- 2 conductors: blue, brown
- yellow-green, black for sect >10 mm²
- 3 conductors: brown, black, grey
- yellow-green, blue, brown
- 4 conductors: blue, brown, black, grey
- yellow-green, brown, black, grey
- 5 conductors: blue, brown, black, grey, black
- yellow-green, blue, brown, black, grey

* More than 5 conductors:

- numbered black conductors
- yellow-green, numbered black conductors

CYYF , CYYF-F

Cablu de energie cu izolatie si manta de PVC



PVC – insulated and sheathed power cable

| Tipodimensiune cablu | Tip conductor | Grosime radiala izolatie | Grosime radiala manta | Rezistenta electrica max, la 20°C | Diametru exterior inf | Masa inf |
|----------------------|--------------------------|--|--|---|------------------------------|-----------------------|
| <i>Cable size</i> | <i>Type of conductor</i> | <i>Radial thickness of the insulation mm</i> | <i>Radial thickness of the sheath mm</i> | <i>Max. resistance at 20°C Ω/km</i> | <i>Outer diameter inf mm</i> | <i>Mass inf kg/km</i> |
| 1x10 | Cl 5 | 1.0 | 1.4 | 1.91 | 9.3 | 170 |
| 1x16 | Cl 5 | 1.0 | 1.4 | 1.21 | 10.5 | 247 |
| 1x25 | Cl 5 | 1.2 | 1.4 | 0.78 | 12.3 | 342 |
| 1x35 | Cl 5 | 1.2 | 1.4 | 0.554 | 13.6 | 450 |
| 1x50 | Cl 5 | 1.4 | 1.5 | 0.386 | 16.0 | 627 |
| 1x70 | Cl 5 | 1.4 | 1.5 | 0.272 | 18.1 | 825 |
| 1x95 | Cl 5 | 1.6 | 1.6 | 0.206 | 20.5 | 1109 |
| 1x120 | Cl 5 | 1.6 | 1.7 | 0.161 | 22.3 | 1335 |
| 1x150 | Cl 5 | 1.8 | 1.8 | 0.129 | 25.1 | 1648 |
| 1x185 | Cl 5 | 2.0 | 1.8 | 0.106 | 26.8 | 1973 |
| 1x240 | Cl 5 | 2.0 | 2.0 | 0.0801 | 30.6 | 2562 |
| 2x1.5 | Cl 5 | 0.8 | 1.8 | 13.3 | 10.0 | 152 |
| 3x1.5 | Cl 5 | 0.8 | 1.8 | 13.3 | 10.3 | 168 |
| 4x1.5 | Cl 5 | 0.8 | 1.8 | 13.3 | 11.3 | 206 |
| 5x1.5 | Cl 5 | 0.8 | 1.8 | 13.3 | 12.2 | 242 |
| 7x1.5 | Cl 5 | 0.8 | 1.8 | 13.3 | 13.1 | 320 |
| 2x2.5 | Cl 5 | 0.8 | 1.8 | 7.98 | 11.0 | 193 |
| 3x2.5 | Cl 5 | 0.8 | 1.8 | 7.98 | 11.4 | 216 |
| 4x2.5 | Cl 5 | 0.8 | 1.8 | 7.98 | 12.5 | 268 |
| 5x2.5 | Cl 5 | 0.8 | 1.8 | 7.98 | 13.5 | 318 |
| 7x2.5 | Cl 5 | 0.8 | 1.8 | 7.98 | 14.6 | 428 |
| 2x4 | Cl 5 | 1.0 | 1.8 | 4.95 | 12.8 | 270 |
| 3x4 | Cl 5 | 1.0 | 1.8 | 4.95 | 13.5 | 318 |
| 4x4 | Cl 5 | 1.0 | 1.8 | 4.95 | 14.7 | 387 |
| 5x4 | Cl 5 | 1.0 | 1.8 | 4.95 | 16.0 | 464 |
| 2x6 | Cl 5 | 1.0 | 1.8 | 3.30 | 14.0 | 339 |
| 3x6 | Cl 5 | 1.0 | 1.8 | 3.30 | 14.5 | 392 |
| 6x6 | Cl 5 | 1.0 | 1.8 | 3.30 | 16.1 | 496 |
| 5x6 | Cl 5 | 1.0 | 1.8 | 3.30 | 17.6 | 598 |
| 2x10 | Cl 5 | 1.0 | 1.8 | 1.91 | 16.8 | 498 |
| 3x10 | Cl 5 | 1.0 | 1.8 | 1.91 | 17.5 | 580 |
| 4x10 | Cl 5 | 1.0 | 1.8 | 1.91 | 19.5 | 741 |
| 5x10 | Cl 5 | 1.0 | 1.8 | 1.91 | 21.4 | 884 |

CYYF , CYYF-F

Cablu de energie cu izolatie si manta de PVC



PVC – insulated and sheathed power cable

| Tipodimensiune cablu | Tip conductor | Grosime radiala izolatie | Grosime radiala manta | Rezistenta electrica max, la 20°C | Diametru exterior inf | Masa inf |
|-------------------------|------------------------------|--|--|--|-------------------------------|---------------------|
| <i>Cable size</i> | <i>Type of conductor</i> | <i>Radial thickness of the insulation mm</i> | <i>Radial thickness of the sheath mm</i> | <i>Max. resistance at 20°C</i> | <i>Outer diameter inf</i> | <i>Mass inf</i> |
| | | | | Ω/km | mm | kg/km |
| 2x16 | Cl 5 | 1.0 | 1.8 | 1.21 | 19.2 | 691 |
| 3x16 | Cl 5 | 1.0 | 1.8 | 1.21 | 20.0 | 791 |
| 4x16 | Cl 5 | 1.0 | 1.8 | 1.21 | 22.4 | 1054 |
| 5x16 | Cl 5 | 1.0 | 1.8 | 1.21 | 24.6 | 1286 |
| 2x25 | Cl 5 | 1.2 | 1.8 | 0.78 | 23.6 | 1042 |
| 3x25 | Cl 5 | 1.2 | 1.8 | 0.78 | 24.6 | 1233 |
| 3x25+16 | Cl 5 | 1.2/1.0 | 1.8 | 0.78/1.21 | 26.4 | 1491 |
| 4x25 | Cl 5 | 1.2 | 1.9 | 0.78 | 28.0 | 1611 |
| 5x25 | Cl 5 | 1.2 | 2.0 | 0.78 | 30.9 | 1987 |
| 2x35 | Cl 5 | 1.2 | 1.8 | 0.554 | 25.4 | 1358 |
| 3x35 | Cl 5 | 1.2 | 1.8 | 0.554 | 27.5 | 1623 |
| 4x35 | Cl 5 | 1.2 | 2.0 | 0.554 | 31.5 | 2144 |
| 5x35 | Cl 5 | 1.2 | 2.1 | 0.554 | 34.9 | 2646 |
| 3x50+25 | Cl 5 | 1.4/1.2 | 2.0 | 0.386/0.780 | 33.8 | 2570 |
| 3x70+35 | Cl 5 | 1.4/1.2 | 2.2 | 0.272/0.554 | 38.7 | 3497 |
| 4x70 | Cl 5 | 1.4 | 2.3 | 0.272 | 42.9 | 4211 |
| 4x95 | Cl 5 | 1.6 | 2.5 | 0.206 | 48.9 | 5520 |
| 4x120 | Cl 5 | 1.6 | 2.6 | 0.161 | 52.9 | 6597 |
| 4x150 | Cl 5 | 1.8 | 2.8 | 0.129 | 58.0 | 6671 |
| 5x50 | Cl 5 | 1.4 | 2.3 | 0.386 | 40.6 | 3045 |