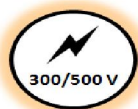


Cordoane flexibile ecranate, cu izolatie si manta de PVC

PVC – insulated and sheathed cords, screened



Standard de fabricatie: ST 103
Tensiune nominala U_0/U : 0.3/0.5 kV

Domeniul de utilizare

Cordoanele sunt utilizate pentru alimentarea cu energie a aparaturii electrocasnice cu solicitari normale la tensiuni nominale U_0/U pana la 300/500 V.
Pentru instalatii electrice semiindustriale, cu o solicitare mecanica medie.

Temperatura max. de lucru in functionarea de durata: +70°C

Temperatura minima a cablului (masurata pe manta):

- **la montaj:** +5°C
- **in exploatare:** -10°C

Temperatura max. in scurtcircuit(max 5 secunde): +150°C

Conductor de cupru

Conductor de cupru recopt multifilar (clasa 5), SR EN 60228

Izolatia

PVC tip TI2

Manta

PVC tip TM2

Marcaj

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

Raza minima de curbura

9 x diametru cordonului in utilizari mobile

Forta maxima de tragere la pozare

15 N/mm² pe sectiunea totala de cupru

Cod de culori

- 2 conductoare: maro, albastru
- 3 conductoare: galben-verde, maro, albastru maro, negru, gri
- 4 conductoare: galben-verde, maro negru, gri albastru, maro, negru, gri
- 5 conductoare: galben-verde, albastru, maro, negru, gri.

negru, albastru, maro, negru, gri

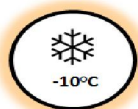
Mai mult de 5 conductoare:

- 1 conductor g-v, conductoarele negre numerotate

Culoarea mantalei

Neagra, alba, gri

*Se admit si alte culori la solicitarea clientului



Production standard: ST 103
Rated voltage U_0/U : 0.3/0.5 kV

Applications

Power supply to average-duty household appliances at nominal voltages U_0/U up to 300/500 V.
Cables can be used for semiprofessional industrial applications.

Max. long-run operational temperature: +70°C

Min. cable temperature (masured on the sheath surface):

- **during installation:** +5°C
- **in operation:** -10°C

Max. temperature during short-circuit(max. 5 seconds): +150°C

Copper conductor

Flexible conductor (class 5), SR EN 60228

Insulation

PVC, TI2 type

Sheath

PVC, TM2 type

Marking

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

Min. bending radius

9 x cord diameter in mobile applications

Max. tensile strain during installation

15 N/mm² on the entire copper cross-section

Color coding

- 2 conductors: brown, blue
- 3 conductors: yellow-green, brown, blue brown, black, gray.
- 4 conductors: yellow-green, black, blue, brown blue, brown, black, gray.
- 5 conductors: yellow-green, blue, brown, black, gray black, blue, brown, black, gray

* Over 5 conductors:

- 1 conductor yellow-green, others are numbered black conductors

Sheath colors

Black, white, gray

*Other colors on customer's dema



Cordoane cu izolatie si manta de PVC

PVC – insulated and sheathed cords

Tipodimensiune cordon <i>Cord size</i>	Diam. max. al firului de cupru <i>Max. diam. of copper wire mm</i>	Grosime radiala izolatie, <i>Radial thickness of insulation</i>	Grosime radiala manta <i>Radial thickness of sheath</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>
		mm	mm	Ω/km	mm	kg/km
2x6	0.31	1.0	1.3	3.3	12.8	270
3x6	0.31	1.0	1.3	3.3	13.3	327
4x6	0.31	1.0	1.4	3.3	15.1	430
5x6	0.31	1.0	1.5	3.3	16.8	527
3x10	0.41	1.0	1.4	1.91	16.5	500
4x10	0.41	1.0	1.5	1.91	18.7	668
5x10	0.41	1.0	1.6	1.91	20.8	832
4x16	0.41	1.0	1.8	1.21	22.8	1050
5x16	0.41	1.0	1.8	1.21	25.0	1310
4x25	0.41	1.2	1.8	0.78	27.2	1580
5x25	0.41	1.2	1.8	0.78	30.3	1974
7x1	0.21	0.6	1.0	19.5	9.5	155
9x1	0.21	0.6	1.4	19.5	12.5	230
12x1	0.21	0.6	1.4	19.5	12.8	280
14x1	0.21	0.6	1.4	19.5	13.8	320
7x1.5	0.25	0.6	1.2	13.3	11.1	220
7x2.5	0.25	0.6	1.2	13.3	13.2	330
9x2.5	0.25	0.6	1.5	13.3	16.9	450
12x2.5	0.25	0.6	1.5	13.3	18.0	600