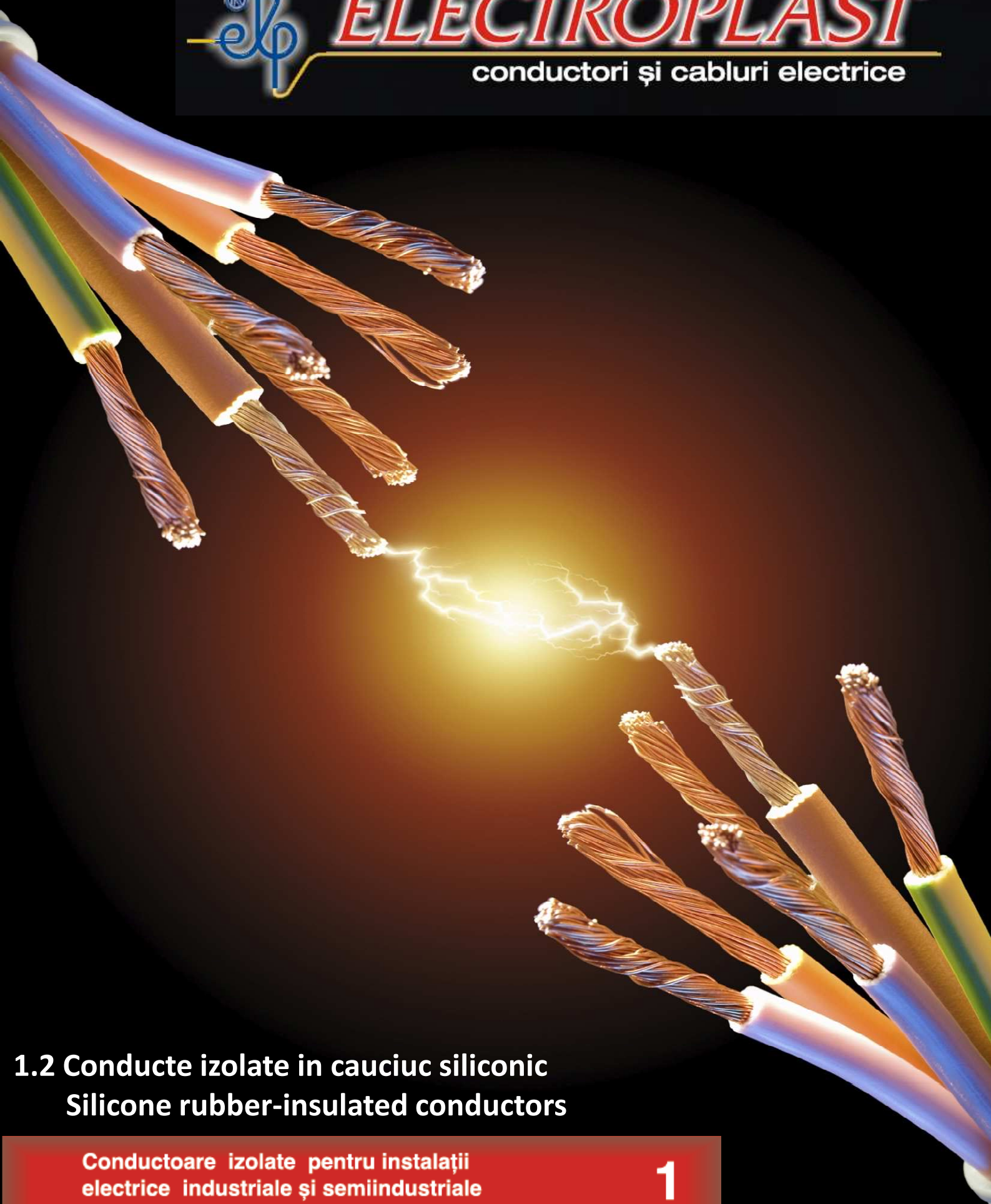




ELECTROPLAST

conductori și cabluri electrice



1.2 Conducte izolate in cauciuc siliconic Silicone rubber-insulated conductors

Conductoare izolate pentru instalații
electrice industriale și semiindustriale

1

Insulated conductor for electric
industrial and semi-industrial wirings

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Cablu unipolar cu conductor flexibil,
izolatie din cauciuc siliconic

One-pole cable with flexible
conductors, silicone rubber insulation

Simbol : FG4/2

Norma de fabricatie: FT 128; SR HD 22 3 S4,
CEI 20-19/3

Temperatura de utilizare : -50+180°C

Tensiune nominala de lucru: 0.3/0.5 kV

Tensiunea de incercare in apa : 2000 V

Conductor de cupru clasa 5 conf SR 60228 din
sarma de cupru recopt nestanat sau stanat.

Izolatie de cauciuc siliconic

- Rezistenta de rupere in stare initiala min 5
N/mm²

- Alungirea la rupere -min 150%

- Rezistenta la rupere dupa imbatranire (200°C/240
h) -min 4 N/mm²

-Alungirea la rupere -min 120%

Cod culori

izolatie: alb,albastru,rosu,negru,maro,verde,gri,galb
en,galben-verde,alb-albastru,alb-rosu,alb-
negru,alb-maro,alb-verde,alb-galben.

Symbol: FG4/2

Manufacturing standard: FT 128 CEI 20-19;
HD 22 3 S4

Operational temperature range: -50+180°C

Rated operational voltage: 0.3/0.5 kV

Testing voltage under water: 2000 V

Class 5 copper conductor according to SR en 60228
made of annealed, tinned or blank copper wire

Silicone rubber insulation

Break resistance in initial state: min. 5N/mm²

Elongation at break: min. 150%

Break resistance after ageing (200°C/240 h): min. 4
N/mm²

Elongation at break: min. 120%

Colour code: white, blue, red, black, brown, green,
gray, yellow, yellow-green, white-red, white-blue,
white-black, white-brown, white-green, white-
yellow.

Tipodi- mensiu ne cablu Cable size	Tip conduc-tor Type of conduc-tor	Diam cond Cu Copper conductor diameter mm	Grosime radiala izolatie Radial thickness of insula-tion mm	Diam exterior Nominal Nominal outer diameter mm	Rezistenta electrica max la 20°C Resistance at 20°C, max. Ω/km	Masa Inf Mass Inf Kg/k m
0.5	0.21	0.9	0.6	2.1±0.1	39.0	9.3
0.75	0.21	1.2	0.6	2.4±0.1	26.0	12.4
1	0.21	1.3	0.6	2.5±0.1	19.5	14.9
1.5	0.26	1.6	0.6	2.8±0.1	13.3	20.0
2.5	0.26	2.0	0.7	3.4±0.1	7.98	31.7
4	0.31	2.7	0.8	4.2±0.1	4.95	50.0
6	0.31	3.3	0.8	5.2±0.1	3.30	75.4



**Cablu unipolar cu conductor flexibil,
izolatie din cauciuc siliconic**

**One-pole cable with flexible
conductors, silicone rubber insulation**

Simbol : H05S-K

Norma de fabricatie: SR HD 22.3 S3

Temperatura de utilizare : -50+180°C

Tensiune nominala de lucru: 0.3/0.5 kV

Tensiunea de incercare in apa : 2000 V

Conductor de cupru clasa 5 conf SR EN 60228 din sarma de cupru recopt nestanat sau stanat.

Izolatie de cauciuc siliconic

– Rezistenta de rupere in stare initiala min 5 N/mm²

- Alungirea la rupere -min 150%

- Rezistenta la rupere dupa imbatranire (200°C/240 h) -min 4 N/mm²

-Alungirea la rupere -min 120%

Cod culori: alb, albastru, rosu, negru, maro, verde, gri, galben, galben-verde, alb-albastru, alb-rosu, alb-negru, alb-maro, alb-verde, alb-galben.

Cablurile pot fi cu intarziere la propagarea flacarilor. Deasemeni cablurile au rezistenta exceptionala la oxigen ,ozon ,razele ultraviolete, la lumina artificiala si la agenti atmosferici.

Symbol: FG4/2; SiF

Manufacturing standard: SR HD 22.3 S3

Operational temperature range: -50+180°C

Rated operational voltage: 0.3/0.5 kV

Testing voltage under water: 2000 V

Class 5 copper conductor according to SR EN 60228 made of annealed, tinned or untinned copper wire

Silicone rubber insulation

Break resistance in initial state: min. 5N/mm²

Elongation at break: min. 150%

Break resistance after ageing (200°C/240 h): min. 4 N/mm²

Elongation at break: min. 120%

Colour code: white, blue, red, black, brown, green, gray, yellow, yellow-green, white-red, white-blue, white-black, white-brown, white-green, white-yellow.

The cables can be flame retardant.

The cables also have increased resistance to oxygen

Tipodimensiune cablu <i>Cable size</i>	Tip conduc-tor <i>Type of conduc-tor</i>	Diam cond Cu <i>Copper conductor diameter</i> mm	Grosime radiala izolatie <i>Radial thickness of insula-tion</i> mm	Diam exterior Nominal <i>Nominal outer diameter</i> mm	Rezistenta electrica max la 20°C <i>Resistance at 20°C, max.</i> Ω/km	Masa Inf <i>Mass Inf</i> Kg/km
0.5	0.21	0.9	0.8	2.5±0.1	39.0	12
0.75	0.21	1.2	0.8	2.8±0.1	26.0	16
1	0.21	1.3	0.8	2.9±0.1	19.5	18
1.5	0.26	1.6	0.9	3.4±0.1	13.3	26
2.5	0.26	2.0	1.0	4.0±0.1	7.98	38



Cablu unipolar cu conductor flexibil,
izolatie din cauciuc siliconic

One-pole cable with flexible
conductors, silicone rubber insulation

Simbol : K/FG4/2

Norma de fabricatie: CEI 20-19 ; HD 22

Temperatura de utilizare : -50+180°C

Tensiune nominala de lucru: 0.3/0.5 kV

Tensiunea de incercare in apa : 2000 V

Conductor de cupru clasa 5 conf SR EN 60228 din sarma de cupru recopt nestanat

Izolatie de cauciuc siliconic

- Rezistenta de rupere in stare initiala min 8.5N/mm²

- Alungirea la rupere -min 280%

- Rezistenta la rupere dupa imbatranire (200°C/240 h) -min 7.5 N/mm²

-Alungirea la rupere -min 200%

Cod culori: alb, albastru, rosu, negru, maro, verde, gri, galben, galben-verde, alb-albastru, alb-rosu, alb-negru, alb-maro, alb-verde, alb-galben.

Cablurile au rezistenta exceptionala la oxigen, ozon, razele ultraviolete, la lumina artificiala si la agenti atmosferici.

Symbol: K/FG4/2

Manufacturing standard: CEI 2-19; HD 22

Operational temperature range: -50+180°C

Rated operational voltage: 0.3/0.5 kV

Testing voltage under water: 2000 V

Class 5 copper conductor according to SR EN 60228 made of annealed, not tinned copper wire

Silicone rubber insulation

Break resistance in initial state: min. 8.5N/mm²

Elongation at break: min. 280%

Break resistance after ageing (200°C/240 h): min. 7.5 N/mm²

Elongation at break: min. 200%

Colour code: white, blue, red, black, brown, green, gray, yellow, yellow-green, white-red, white-blue, white-black, white-brown, white-green, white-yellow.

The cables also have increased resistance to oxygen

Tipodimensiune cablu Cable size	Diametru sarmei,max Size of wire	Diam cond Cu Copper conductor diameter mm	Grosime radiala izolatie Radial thickness of insulation mm	Diam exterior nominal Nominal outer diameter mm	Rezistenta electrica max la 20°C Resistance at 20°C, max. Ω/km	Masa Inf Mass Inf Kg/km
0.5	0.21	0.9	0.6	2.1±0.1	39.0	8.4
0.75	0.21	1.2	0.6	2.4±0.1	26.0	11.4
1	0.21	1.3	0.6	2.5±0.1	19.5	13.8
1.5	0.26	1.6	0.6	2.8±0.1	13.3	18.8
2.5	0.26	2.0	0.7	3.4±0.1	7.98	30.0
4	0.31	2.7	0.8	4.2±0.1	4.95	48.4
6	0.31	3.3	0.8	5.2±0.1	3.30	69.0



Cablu unipolar cu conductor flexibil, izolatie din cauciuc siliconic

One-pole cable with flexible conductors, silicone rubber insulation

Simbol : K/SIF

Norma de fabricatie: CEI 20-19 ; HD 22

Temperatura de utilizare : -50+180°C

Tensiune nominala de lucru: 0.3/0.5 kV

Tensiunea de incercare in apa : 2000 V

Conductor de cupru clasa 5 conf SR EN 60228 din sarma de cupru recopt stanat

Izolatie de cauciuc siliconic

- Rezistenta de rupere in stare initiala min 8.5N/mm²

- Alungirea la rupere -min 280%

- Rezistenta la rupere dupa imbatranire (200°C/240 h) -min 7.5 N/mm²

- Alungirea la rupere -min 200%

Cod culori: alb, albastru, rosu, negru, maro, verde, gri, galben, galben-verde, alb-albastru, alb-rosu, alb-negru, alb-maro, alb-verde, alb-galben.

Cablurile au rezistenta exceptionala la oxigen, ozon, razele ultraviolete, la lumina artificiala si la agenti atmosferici.

Symbol: K/SIF

Manufacturing standard: CEI 2-19; HD 22

Operational temperature range: -50+180°C

Rated operational voltage: 0.3/0.5 kV

Testing voltage under water: 2000 V

Class 5 copper conductor according to SR EN 60228 made of annealed, tinned copper wire

Silicone rubber insulation

Break resistance in initial state: min. 8.5N/mm²

Elongation at break: min. 280%

Break resistance after ageing (200°C/240 h): min. 7.5 N/mm²

Elongation at break: min. 200%

Colour code: white, blue, red, black, brown, green, gray, yellow, yellow-green, white-red, white-blue, white-black, white-brown, white-green, white-yellow.

The cables also have increased resistance to oxygen

Tipodimensiune cablu Cable size	Diametru sarma,max Size of wire max	Diam cond Cu Copper conductor diameter mm	Grosime radiala izolatie Radial thickness of insulation mm	Diam exterior Nominal Nominal outer diameter mm	Rezistenta electrica max la 20°C Resistance at 20°C, max. Ω/km	Masa Inf Mass Inf Kg/km
0.5	0.21	0.9	0.6	2.1±0.1	40.1	8.4
0.75	0.21	1.2	0.6	2.4±0.1	26.7	11.4
1	0.21	1.3	0.6	2.5±0.1	20.0	13.8
1.5	0.26	1.6	0.6	2.8±0.1	13.7	18.8
2.5	0.26	2.0	0.7	3.4±0.1	8.21	30.0
4	0.31	2.7	0.8	4.2±0.1	5.09	48.4
6	0.31	3.3	0.8	5.2±0.1	3.39	69.0



Cablu unipolar cu conductor flexibil, izolatie din cauciuc siliconic

One-pole cable with flexible conductors, silicone rubber insulation

Simbol : FffSi

Norma de fabricatie: SR HD 22.3 S3

Temperatura de utilizare : -55+180°C

Tensiune nominala de lucru: 0.6/1 KV

Tensiunea de incercare in apa : 2000 V

Conductor de cupru clasa 5 conf SR EN 60228 din sarma de cupru recopt stanat.

Izolatie de cauciuc siliconic

- Rezistenta de rupere in stare initiala min 5 N/mm²

- Alungirea la rupere -min 150%

- Rezistenta la rupere dupa imbatranire (200°C/240 h) -min 4 N/mm²

- Alungirea la rupere -min 120%

Cod culori: alb, albastru, rosu, negru, maro, verde, gri, galben, galben-verde, alb-albastru, alb-rosu, alb-negru, alb-maro, alb-verde, alb-galben.

Cablurile pot fi cu intarziere la propagarea flacarilor. Deasemeni cablurile au rezistenta exceptionala la oxigen, ozon, razele ultraviolete, la lumina artificiala si la agenti atmosferici.

Manufacturing standard: SR HD 22.3 S3

Operational temperature range: -55+180°C

Rated operational voltage: 0.6/1 kV

Testing voltage under water: 2000 V

Class 5 copper conductor according to SR EN 60228 made of annealed, tinned copper wire

Silicone rubber insulation

Break resistance in initial state: min. 5N/mm²

Elongation at break: min. 150%

Break resistance after ageing (200°C/240 h): min. 4 N/mm²

Elongation at break: min. 120%

Colour code: white, blue, red, black, brown, green, gray, yellow, yellow-green, white-red, white-blue, white-black, white-brown, white-green, white-yellow.

The cables can be flame retardant.

The cables also have increased resistance to oxygen

Tipodimensiune cablu Cable size	Tip conductor Type of conductor	Diam cond Cu Copper conductor diameter mm	Grosime radiala izolatie Radial thickness of insulation mm	Diam exterior Nominal Nominal outer diameter mm	Rezistenta electrica max la 20°C Resistance at 20°C, max. Ω/km	Masa Inf Mass Inf Kg/km
1	0.21	1.3	0.6	2.5±0.1	19.5	18
1.5	0.26	1.6	0.85	3.3±0.1	13.3	26
2.5	0.26	2.0	1.0	4.0±0.1	7.98	38
4	0.31	2.7	1.0	4.7±0.2	4.95	56
6	0.31	3.3	1.2	5.7±0.2	3.30	83



Cablu unipolar cu conductor flexibil,
izolatie si manta din cauciuc siliconic

One-pole cable with flexible conductors,
silicone rubber insulation and sheath

Simbol : FG4G4

Norma de fabricatie: FT 137 ; SR HD 22 3 S4,
CEI 20-19/3

Temperatura de utilizare : -50+180°C

Tensiune nominala de lucru: 0.3/0.5 kV

Tensiunea de incercare in apa : 2000 V

Conductor de cupru clasa 5 conf SR EN 60228 din
sarma de cupru recopt nestanat sau stanat.

Izolatie de cauciuc siliconic

- Rezistenta de rupere in stare initiala min 5
N/mm²

- Alungirea la rupere -min 150%

- Rezistenta la rupere dupa imbatranire (200°C/240
h) -min 4 N/mm²

-Alungirea la rupere -min 120%

Cod culori

izolatie: alb,albastru,rosu,negru,maro,verde,gri,galb
en,galben-verde,alb-albastru,alb-rosu,alb-
negru,alb-maro,alb-verde,alb-galben.

Manta: conf cererii clientului

Symbol: FG4G4

Manufacturing standard: FT 137CEI 20-19; HD 22
3 S4

Operational temperature range: -50+180°C

Rated operational voltage: 0.3/0.5 kV

Testing voltage under water: 2000 V

Class 5 copper conductor according to SR 60228
made of annealed, tinned or blank copper wire

Silicone rubber insulation

Break resistance in initial state: min. 5N/mm²

Elongation at break: min. 150%

Break resistance after ageing (200°C/240 h): min.
4 N/mm²

Elongation at break: min. 120%

Colour code: white, blue, red, black, brown,
green, gray, yellow, yellow-green, white-red,
white-blue, white-black, white-brown, white-
green, white-yellow.

Sheath: upon customer request

Tipodi- mensiun e cablu <i>Cable size</i>	Tip conduc- tor <i>Type of conduc- tor</i>	Diam cond Cu <i>Copper conductor diameter mm</i>	Grosime radiala izolatie <i>Radial thickness of insulation mm</i>	Grosime radiala manta <i>Radial thickness of sheath mm</i>	Diam exterior Nominal <i>Nominal outer diameter mm</i>	Rezistenta electrica max la 20°C <i>Resistance at 20°C, max. Ω/km</i>	Masa Inf <i>Mass Inf Kg/km</i>
0.75	0.21	1.2	0.6	0.6	3.6±0.1	26.0	22.9
1	0.21	1.3	0.6	0.6	3.7±0.1	19.5	25.8
1.5	0.26	1.6	0.8	0.8	4.8±0.1	13.3	42.0
2.5	0.26	2.0	0.9	0.9	5.6±0.1	7.98	60.3