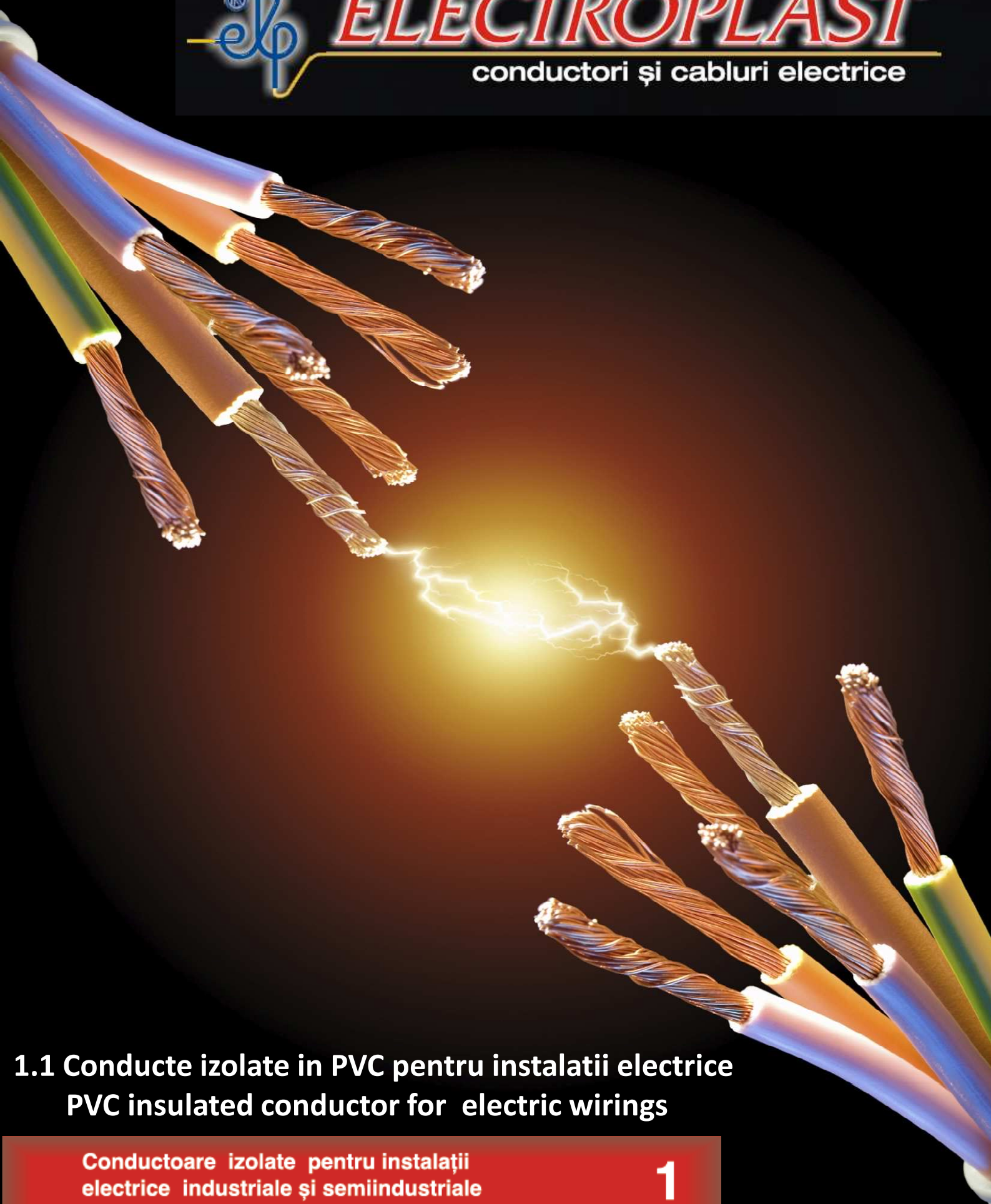




ELECTROPLAST

conductori și cabluri electrice



1.1 Conducte izolate in PVC pentru instalatii electrice PVC insulated conductor for electric wirings

Conductoare izolate pentru instalații
electrice industriale și semiindustriale

1

Insulated conductor for electric
industrial and semi-industrial wirings

www.chorus.ro

**FY; H05V-U 0.3/0.5 kV
H07V-U; H07V-R
0.45/0.75 kV;**



Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: SR HD 21.3 S3

SR HD 21.3 S3+A1;

IEC 227/3

Tensiune nominala U_0/U :0.3/0.5 kV; 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice fixe,interioare la tensiune de 450/750 V.

Se pot instala in conducte la vedere sau nu , direct sub tencuiala,in medii uscate sau umede.

Conductor de cupru

Conductor de cupru recept unifilar rigid (ru) ru sau multifilar rigid ,rm (rm);SR EN 60228

Izolatie

PVC tip TI1

Marcaj

SC ELECTROPLAST SA ,simbol cablu

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

Temperatura max. in scurtcircuit
160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

H05V

Cabluri monocolor:negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb, verde si galben .

Se admit toate combinatiile bicolore

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

H07V

Cabluri monocolor:negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb.

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

Alte combinatii bicolore nu sunt permise

Standard: SR HD 21.3 S3

SR HD 21.3 S3+A1

IEC 227/3

Rated voltage U_0/U : 0.3/0.5 kV , 0.45 / 0.75 kV

Applicability :

Indoor wirings at voltages up to 450/750 V.

They can be installed in open or buried conduits , directly under drywall, in dry or moist environments.

Conductor de cupru:

Rigid annealed monowire (ru),H05V-U,H07V-U or rigid multiwire conductor (rm),H07V-R;

SR EN 60228

Insulation:

PVC type TI1

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: 70°C

Max. temperature during short circuit :
160°C, max. 5 seconds

Min. bending radius :

6 x diametru cablului

Color coding :

H05V

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white, green and yellow.

All two-colors combinations are accepted.

Yellow-green cables : min 30% green, max 70% yellow

H07V

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white

Yellow-green cables : min 30% green, max 70% yellow

Other two-colors combinations are not accepted

**FY: H05V-U 0.3/0.5 kV
H07V-U; H07V-R
0.45/0.75 kV;**

Cabluri monofilare fara manta

Unsheathed single-core cables

Simbol Symbol	Sectiune nominala a conductorul ui Nominal cross-section of conductor	Tip cond. Type of cond	Grosime nominala izolatie Nominal insulation thickness	Diametru exterior nominal Nominal outer diameter	Rezistenta electrica, max la 20°C Max. resistance at 20°C	Rezistenta de izolatie la 70°C,min Min. insulation resistance at 70°C	Masa Inf Mass inf
	mm ²		mm	mm	Ω/km	MΩ*km	kg/km
H05V-U	0.5	ru	0.6	2.0	36.0	0.015	8
H05V-U	0.75	ru	0.6	2.2	24.5	0.013	11
H05V-U	1	ru	0.6	2.3	18.1	0.011	14
H07V-U	1.5	ru	0.7	2.8	12.1	0.011	20
H07V-U	2.5	ru	0.8	3.4	7.41	0.010	32
H07V-U	4	ru	0.8	3.9	4.61	0.0087	47
H07V-U	6	ru	0.8	4.4	3.08	0.0074	67
H07V-R	6	rm	0.8	4.8	3.08	0.0070	70
H07V-U	10	ru	1.0	5.6	1.83	0.0072	111
H07V-R	10	rm	1.0	6.2	1.83	0.0067	115
H07V-R	16	rm	1.0	7.4	1.15	0.0056	173
H07V-R	25	rm	1.2	9.1	0.727	0.0053	275
H07V-R	35	rm	1.2	10.3	0.524	0.0046	370
H07V-R	50	rm	1.4	11.9	0.387	0.0046	503
H07V-R	70	rm	1.4	13.7	0.268	0.0040	706
H07V-R	95	rm	1.6	16.1	0.193	0.0039	976
H07V-R	120	rm	1.6	17.4	0.153	0.0035	1192
H07V-R	150	rm	1.8	19.5	0.124	0.0035	1483
H07V-R	185	rm	2.0	23.0	0.0991	0.0035	1885
H07V-R	240	rm	2.2	24.3	0.0754	0.0034	2464
H07V-R	300	rm	2.4	27.5	0.0601	0.0033	3062

H05V2-U 0.3/0.5 kV;
H07V2-U 0.45/0.75 kV;
H07V2-R 0.45/0.75 kV



Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: SR HD 21.7 S3 + SR HD 21.7 S3+A1; IEC 227/3

Tensiune nominala U_0/U : 0.3/0.5 kV; 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice fixe, interioare la tensiune de 450/750 V.

Se pot instala in conducte la vedere sau nu, direct sub tencuiala, in medii uscate sau umede.

Conductor de cupru

Conductor de cupru recept unifilar rigid (ru) ru sau multifilar rigid, rm (rm); SR EN 60228

Izolatie

PVC tip T13

Marcaj

SC ELECTROPLAST SA, simbol cablu

Temperatura max. de lucru in functionarea de durata: 90°C

Temperatura max. in scurtcircuit 160 °C, timp de max 5 secunde

Raza minima de curbura

6 x diametru cablului

Cod de culori

H05V2

Cabluri monocolor: negru, albastru, maro, gri, portocaliu, roz, rosu, turcuaz, violet, alb, verde si galben.

Se admit toate combinatiile bicolore

Cabluri bicolore: verde-galben min 30% verde, max 70% galben

H07V2

Cabluri monocolor: negru, albastru, maro, gri, portocaliu, roz, rosu, turcuaz, violet, alb.

Cabluri bicolore: verde-galben min 30% verde, max 70% galben

Alte combinatii bicolore nu sunt permise

Standard: SR HD 21.7 S3 + SR HD 21.7 S3+A1 IEC 227/3

Rated voltage U_0/U : 0.3/0.5, 0.45 / 0.75 kV

Applicability :

Indoor wirings at voltages up to 450/750 V.

They can be installed in open or buried conduits, directly under drywall, in dry or moist environments.

Conductor de cupru:

Rigid annealed monowire (ru), H05V-U, H07V-U or rigid multiwire conductor (rm), H07V-R; SR EN 60228

Insulation:

PVC type T13

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: 90°C

Max. temperature during short circuit :

160°C, max. 5 seconds

Min. bending radius :

6 x diametru cablului

Color coding :

H05V 2

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white, green and yellow.

All two-colors combinations are accepted.

Yellow-green cables : min 30% green, max 70% yellow

H07V2

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white

Yellow-green cables : min 30% green, max 70% yellow

Other two-colors combinations are not accepted

H05V2-U 0.3/0.5 kV;
H07V2-U 0.45/0.75 kV;
H07V2-R 0.45/0.75 kV



Cabluri monofilare fara manta

Unsheathed single-core cables

Simbol Symbol	Sectiune nominala a conductorul ui <i>Nominal cross-section of conductor mm²</i>	Tip cond. <i>Type of cond</i>	Grosime nominala izolatie <i>Nominal insulation thickness mm</i>	Diametru exterior nominal <i>Nominal outer diameter mm</i>	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C Ω/km</i>	Rezistenta de izolatie la 90°C,min <i>Min. insulation resistance at 90°C MΩ*km</i>	Masa Inf <i>Mass inf kg/km</i>
H05V2-U	0.5	ru	0.6	2.0	36.0	0.014	8
H05V2-U	0.75	ru	0.6	2.2	24.5	0.013	11
H05V2-U	1	ru	0.6	2.3	18.1	0.011	14
H07V2-U	1.5	ru	0.7	2.8	12.1	0.011	20
H07V2-U	2.5	ru	0.8	3.4	7.41	0.010	32
H07V2-R	4	rm	0.8	4.2	4.61	0.0082	49
H07V2-R	6	rm	0.8	4.8	3.08	0.0070	70
H07V2-R	10	rm	1.0	6.2	1.83	0.0067	115
H07V2-R	16	rm	1.0	7.4	1.15	0.0056	173
H07V2-R	25	rm	1.2	9.1	0.727	0.0053	275
H07V2-R	35	rm	1.2	10.3	0.524	0.0046	370

**MYF;
H05V-K;
H07V-K**



Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: SR HD 21.3 S3+
SR HD 21.3 S3+A1

Tensiune nominala U_0/U : 0.3/0.5 kV- H05V-K ;
0.45/0.75 kV- H07V-K

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice
pentru tensiune de pana la 450/750 V.

Conductor de cupru

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

Izolatie

PVC tip T11

Marcaj

SC ELECTROPLAST SA ,simbol cablu

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

Temperatura max. in scurtcircuit
160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

H05V -K

Cabluri monocolor:negru,albastru,maro,gri,
portocaliu,roz,rosu,turcuaz,violet,alb, verde si
galben

Se admit toate combinatiile bicolore

Cabluri bicolore:verde-galben min 30% verde,max
70% galben

H07V-K

Cabluri monocolor:negru,albastru,maro,gri,
portocaliu,roz,rosu,turcuaz,violet,alb.

Cabluri bicolore:verde-galben min 30% verde,max
70% galben

Alte combinatii bicolore nu sunt permise

Standard : SR HD 21.3 S3 +
SR HD 21.3 S3+A1

Rated voltage U_0/U : 0.3 / 0.5 kV- H05V-K
0.45 / 0.75 kV- H07V-K

Applicability :

For electric installations at voltages up to 450/750
V.

Copper conductor

Multiwire annealed copper conductor (class 5),
according SR EN 60228

Insulation:

PVC type T11

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: 70°C

Max. temperature during short circuit

160 °C, max. 5 seconds

Min. bending radius

6 x diametru cablului

Color coding

H05V -K

Monochrome cables: black, blue, brown, gray,
orange, pink, red, turquoise, violet, white, green
and yellow.

All two-colors combinations are accepted.

Yellow-green cables : min 30% green, max 70%
yellow

H07V-K

Monochrome cables: black, blue, brown, gray,
orange, pink, red, turquoise, violet, white

Yellow-green cables : min 30% green, max 70%
yellow

Other two-colors combinations are not accepted

MYF;
H05V-K;
H07V-K



Cabluri monofilare fara manta

Unsheathed single-core cables

Sectiune nominala a conductorului <i>Nominal crosssection of conductor</i>	Diametru max sarmei de cupru <i>Max. copper wire diam</i>	Grosime nominala izolatie <i>Nominal insulation thickness</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i>	Rezistenta de izolatie la 70°C,min. <i>Insulation resistance at 70°C,min</i>	Masa Inf Mass <i>inf</i>
mm ²	mm	mm	mm	Ω/km	MΩ*km	kg/km
H05V-K						
0.5	0.21	0.6	2.1	39.0	0.013	8
0.75	0.21	0.6	2.3	26.0	0.011	11
1	0.21	0.6	2.5	19.5	0.010	14
H07V-K						
1.5	0.26	0.7	2.9	13.3	0.010	19
2.5	0.26	0.8	3.6	7.98	0.0095	31
4	0.31	0.8	4.1	4.95	0.0078	44
6	0.31	0.8	4.7	3.30	0.0068	65
10	0.41	1.0	6.1	1.91	0.0065	108
16	0.41	1.0	7.1	1.21	0.0053	161
25	0.41	1.2	8.7	0.780	0.0050	248
35	0.41	1.2	9.9	0.554	0.0043	337
50	0.41	1.4	11.6	0.386	0.0042	485
70	0.51	1.4	13.3	0.272	0.0036	681
95	0.51	1.6	15.2	0.206	0.0036	878
120	0.51	1.6	17.0	0.161	0.0032	1151
150	0.51	1.8	18.9	0.129	0.0032	1417
185	0.51	2.0	21.0	0.106	0.0032	1738
240	0.51	2.2	24.9	0.0801	0.0031	2304

H05V2-K 0.3/0.5 kV
H07V2-K 0.45/0.75 kV



Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: SR HD 21.7 S3 , SR HD 21.7 S3+A1

Tensiune nominala U_o/U : 0.3/0.5 kV- H05V2-K ;
0.45/0.75 kV- H07V2-K

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice interioare la tensiune de pana la 450/750 V.
Se pot instala in conducte la vedere sau nu , direct sub tencuiala,in medii ucate sau umede.

Conductor de cupru

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

Izolatie

PVC tip TI3

Marcaj

SC ELECTROPLAST SA ,simbol cablu

Temperatura max. de lucru in functionarea de durata:90°C

Temperatura max. in scurtcircuit
160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

H05V2 -K

Cabluri monocolor:negru,albastru,maro,gri,
portocaliu,roz,rosu,turcuaz,violet,alb, verde si galben

Se admit toate combinatiile bicolore

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

H07V2-K

Cabluri monocolor:negru,albastru,maro,gri,
portocaliu,roz,rosu,turcuaz,violet,alb.

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

Alte combinatii bicolore nu sunt permise

Standard : SR HD 21.7 S3 , SR HD 21.7 S3+A1

Rated voltage U_o/U : 0.3 / 0.5 H05V2-K
0.45 / 0.75 kV; H07V2-K

Applicability :

Indoor wirings at voltages up to 450/750 V.
They can be installed in open or buried conduits , directly under drywall, in dry or moist environments.

Copper conductor

Multiwire annealed copper conductor (class 5),
SR EN 60228

Insulation:

PVC type TI3

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: 90°C

Max. temperature during short circuit
160 °C, max. 5 seconds

Min. bending radius

6 x diametru cablului

Color coding

H05V2 -K

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white, green and yellow.

All two-colors combinations are accepted.

Yellow-green cables : min 30% green, max 70% yellow

H07V2-K

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white

Yellow-green cables : min 30% green, max 70% yellow

Other two-colors combinations are not accepted

H05V2-K 0.3/0.5 kV
H07V2-K 0.45/0.75 kV



Cabluri monofilare fara manta

Unsheathed single-core cables

Sectioniune nominala a conductorului <i>Nominal crosssection of conductor</i> mm²	Diametru max sarmei de cupru <i>Max. copper wire diam</i> mm	Grosime nominala izolatii <i>Nominal insulation thickness</i> mm	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i> Ω/km	Rezistenta de izolatii la 90°C, min. <i>Insulation resistance at 90°C, min</i> MΩ*km	Masa Inf <i>Mass inf</i> kg/km
H05V2-K						
0.5	0.21	0.6	2.1	39.0	0.013	8
0.75	0.21	0.6	2.3	26.0	0.011	11
1	0.21	0.6	2.5	19.5	0.010	14
H07V2-K						
1.5	0.26	0.7	2.9	13.3	0.010	19
2.5	0.26	0.8	3.6	7.98	0.0095	31
4	0.31	0.8	4.1	4.95	0.0078	44
6	0.31	0.8	4.7	3.30	0.0068	65
10	0.41	1.0	6.1	1.91	0.0065	108
16	0.41	1.0	7.1	1.21	0.0053	161
25	0.41	1.2	8.7	0.780	0.0050	248
35	0.41	1.2	9.9	0.554	0.0043	337

H07V3-K



Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: SR HD 21.9 S2

Tensiune nominala U_0/U 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice la tensiune de pana la 450/750 V.

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

Izolatie

PVC tip TI4

Marcaj

SC ELECTROPLAST SA ,simbol cablu

Temperatura max. de lucru in functionarea de durata:-40÷70°C

Temperatura max. in scurtcircuit

160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

Cabluri monocolor: negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb.

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

Alte combinatii bicolore nu sunt permise

Standard : SR HD 21.9 S3

Rated voltage U_0/U : 0.45 / 0.75 kV

Applicability :

Wirings at voltages up to 450/750 V.

Copper conductor

Multiwire annealed copper conductor (class 5), according to SR EN 60228

Insulation:

PVC type TI4

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: :- 40÷70°C

Max. temperature during short circuit

160 °C, max. 5 seconds

Min. bending radius

6 x diametru cablului

Color coding

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white

Yellow-green cables : min 30% green, max 70% yellow

Other two-colors combinations are not accepted

H07V3-K



Cabluri monofilare fara manta

Unsheathed single-core cables

Sectione nominala a conductorulu i <i>Nominal crosssection of conductor</i>	Diametru max sarmei de cupru Max. <i>copper wire diam</i>	Grosime nominala izolatie <i>Nominal insulation thickness</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Rezistenta electrica, max la 20°C Max. <i>resistance at 20°C</i>	Rezistenta de izolatie la 70°C,min. <i>Insulation resistance at 70°C,min</i>	Masa Inf Mass <i>inf</i>
mm ²	mm	mm	mm	Ω/km	MΩ*km	kg/km
1.5	0.26	0.7	2.9	13.3	0.010	19
2.5	0.26	0.8	3.6	7.98	0.009	31
4	0.31	0.8	4.1	4.95	0.007	44
6	0.31	0.8	4.7	3.30	0.006	65
10	0.41	1.0	6.1	1.91	0.0056	108
16	0.41	1.0	7.1	1.21	0.0046	161
25	0.41	1.2	8.7	0.780	0.0044	248
35	0.41	1.2	9.9	0.554	0.0038	337
50	0.41	1.4	11.6	0.386	0.0037	485
70	0.51	1.4	13.3	0.272	0.0032	681
95	0.51	1.6	15.2	0.206	0.0032	878
120	0.51	1.6	17.0	0.161	0.0029	1151
150	0.51	1.8	18.9	0.129	0.0029	1417
185	0.51	2.0	21.0	0.106	0.0029	1738
240	0.51	2.2	24.9	0.0801	0.0028	2304

H07V3-R; H07V3-U



Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: SR HD 21.9 S2
Tensiune nominala Uo/U 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice fixe, la tensiune de 450/750 V.

Conductor de cupru

Conductor de cupru recopt unifilar rigid ru sau multifilar rigid ,rm ;SR EN 60228

Izolatie

PVC tip TI4

Marcaj

SC ELECTROPLAST SA ,simbol cablu

Temperatura max. de lucru in functionarea de durata:-40÷70°C

Temperatura max. in scurtcircuit
160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

Cabluri monocolor:negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb.
Cabluri bicolore:verde-galben min 30% verde,max 70% galben
Alte combinatii bicolore nu sunt permise

Standard: SR HD 21.9 S2
Rated voltage Uo/U: 0.45 / 0.75 kV

Applicability :

Wirings at voltages up to 450/750 V.

Conductor de cupru:

Rigid annealed monowire (ru),,H07V3-U or rigid multiwire conductor (rm),H07V3-R;SR EN 60228

Insulation:

PVC type TI4

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature:
:-40÷70°C

Max. temperature during short circuit :
160°C, max. 5 seconds

Min. bending radius :
6 x diametru cablului

Color coding :

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white
Yellow-green cables : min 30% green, max 70% yellow
Other two-colors combinations are not accepted

H07V3-R; H07V3-U



Cabluri monofilare fara manta

Unsheathed single-core cables

Simbol Symbol	Sectiune nominala a conductor ului Nominal cross- section of conductor mm²	Tip cond. Type of cond	Grosime nominala izolatie Nominal insulation thickness mm	Diametru exterior nominal Nominal outer diameter mm	Rezistenta electrica, max la 20°C Max. resistance at 20°C Ω/km	Rezistenta de izolatie la 90°C,min Min. insulation resistance at 90°C MΩ*km	Masa Inf Mass inf kg/km
H07V3-U	1.5	ru	0.7	2.8	12.1	0.011	20
H07V3-U	2.5	ru	0.8	3.4	7.41	0.010	32
H07V3-U	4	ru	0.8	4.2	4.61	0.0085	49
H07V3-R	6	rm	0.8	4.8	3.08	0.0065	70
H07V3-R	10	rm	1.0	6.2	1.83	0.0067	115
H07V3-R	16	rm	1.0	7.4	1.15	0.005	173
H07V3-R	25	rm	1.2	9.1	0.727	0.005	275
H07V3-R	35	rm	1.2	10.3	0.524	0.0043	370

N07V-K



Cabluri monofilare fara manta cu izolatie de PVC,cu intarziere marita la propagarea flacarilor si emisie redusa de fum si gaze toxice

Unsheathed single-core cables, flame retardant and with reduced emission of corrosive gases

Standard de fabricatie: SR HD 21 3 S2
Incercare pentru rezistenta la flacara **IEC 332-1**
Incercarea pentru rezistenta la propagarea incendiului **CEI 20-22/II**
Tensiune nominala U_0/U : 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice interioare la tensiune de pana la 450/750 V.
Se pot instala in conducte la vedere sau nu , direct sub tencuiala,in medii ucate sau umede.

Conductor de cupru

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

Izolatie

PVC tip R2

Marcaj

SC ELECTROPLAST SA ,simbol cablu

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

Temperatura max. in scurtcircuit
160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

Cabluri monocolor:negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb.
Cabluri bicolore:verde-galben min 30% verde,max 70% galben

Alte combinatii bicolore nu sunt permise

Standard : SR HD 21 3 S2;CEI 20-22/II;IEC 332-1

Rated voltage U_0/U : 0.45 / 0.75 kV

Applicability :

Indoor wirings at voltages up to 450/750 V.
They can be installed in open or buried conduits , directly under drywall, in dry or moist environments.

Copper conductor

Multiwire annealed copper conductor (class 5), according to SR EN 60228

Insulation:

PVC type R2

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: 70°C

Max. temperature during short circuit

160 °C, max. 5 seconds

Min. bending radius

6 x diametru cablului

Color coding

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white
Yellow-green cables : min 30% green, max 70% yellow
Other two-colors combinations are not accepted

N07V-K



Cabluri monofilare fara manta cu izolatie de PVC, cu intarziere marita la propagarea flacarilor si emisie redusa de fum si gaze toxice

Unsheathed single-core cables, flame retardant and with reduced emission of corrosive gases

Sectiune nominala a conductorului <i>Nominal crosssection of conductor</i>	Diametru max sarmei de cupru <i>Max. copper wire diam</i>	Grosime nominala izolatii <i>Nominal insulation thickness</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i>	Rezistenta de izolatii la 70°C, min. <i>Insulation resistance at 70°C, min</i>	Masa Inf <i>Mass inf</i>
mm ²	mm	mm	mm	Ω/km	MΩ*km	kg/km
1	0.21	0.7	2.8	19.5	0.0095	16
1.5	0.26	0.7	3.0	13.3	0.082	21
2.5	0.26	0.8	3.6	7.98	0.077	32
4	0.31	0.8	4.1	4.95	0.062	45
6	0.31	0.8	4.7	3.30	0.050	65
10	0.41	1.0	6.2	1.91	0.049	110
16	0.41	1.0	7.2	1.21	0.039	165
25	0.41	1.2	8.9	0.780	0.039	255
35	0.41	1.2	10.0	0.554	0.034	340
50	0.41	1.4	12.4	0.386	0.033	495
70	0.51	1.4	14.2	0.272	0.029	675
95	0.51	1.6	15.6	0.206	0.028	900
120	0.51	1.6	17.6	0.161	0.025	1150
150	0.51	1.8	19.3	0.129	0.025	1420
185	0.51	2.0	21.4	0.106	0.025	1730
240	0.51	2.2	25.6	0.0801	0.024	2290

Cabluri monofilare fara manta

Standard de fabricatie: SR HD 21.3 S3
STAS 6865

Tensiune nominala U_0/U :0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice fixe,interioare la tensiune de 450/750 V.
Se pot instala in conducte la vedere sau nu , direct sub tencuiala,in medii uscate sau umede.

Conductor de aluminiu

Conductor de aluminiu recopt unifilar rigid (ru) ru sau multifilar rigid ,rm (rm);SR EN 60228

Izolatie

PVC tip T11

Marcaj

SC ELECTROPLAST SA ,simbol cablu

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

Temperatura minima in timpul pozarii: -5°C

Raza minima de curbura

6xdiametru cablului

Cod de culori

Cabluri monocolor:negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb.
Cabluri bicolore:verde-galben min 30% verde,max 70% galben
Alte combinatii bicolore nu sunt permise

Unsheathed single-core cables

Standard: SR HD 21.3 S3
STAS 6865

Rated voltage U_0/U : 0.45 / 0.75 kV

Applicability :

Indoor wirings at voltages up to 450/750 V.
They can be installed in open or buried conduits , directly under drywall, in dry or moist environments.

Aluminium conductor

Rigid annealed monowire (ru), or rigid multiwire conductor (rm), SR EN 60228

Insulation:

PVC type T11

Marking :

SC ELECTROPLAST SA, cable symbol

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

Lowest temperature during installation: -5°C

Min. bending radius :

6 x diametru cablului

Color coding :

Monochrome cables: black, blue, brown, gray, orange, pink, red, turquoise, violet, white
Yellow-green cables : min 30% green, max 70% yellow
Other two-colors combinations are not accepted

Cabluri monofilare fara manta

Unsheathed single-core cables

Simbol <i>Symbol</i>	Sețiune nominala a conductorulu i <i>Nominal cross-section of conductor</i>	Tip cond. <i>Type of cond</i>	Grosime nominala izolatie <i>Nominal insulation thickness</i>	Diametru exterior max <i>Max outer diameter</i>	Rezistenta de izolatie la 60°C,min <i>Min. insulation resistance at 70°C</i>	Masa Inf <i>Mass inf</i>
	mm ²		mm	mm	MΩ*km	kg/km
AFY	2.5	ru	0.7	3.5	0.009	18
AFY	4	ru	0.8	4.2	0.008	24
AFY	6	ru	0.8	4.7	0.008	32
AFY	10	ru	1.0	6.0	0.007	53
AFY	16	ru	1.0	6.9	0.006	74
AFY	16	rm	1.0	7.5	0.006	83
AFY	25	rm	1.2	9.3	0.005	127
AFY	35	rm	1.2	10.5	0.004	168
AFY	50	rm	1.4	12.5	0.004	238
AFY	70	rm	1.4	14.5	0.004	330
AFY	95	rm	1.6	17.0	0.004	440
AFY	120	rm	1.6	18.5	0.004	530
AFY	150	rm	1.8	20.5	0.004	654
AFY	185	rm	2.0	23.0	0.004	855
AFY	240	rm	2.2	26.0	0.002	1055
AFY	300	rm	2.4	28.5	0.002	1306
AFY	400	rm	2.6	31.2	0.002	1520

Cabluri monofilare fara manta

Unsheathed single-core cables

Standard de fabricatie: ST 137-2008

Standard: ST 137-2008

Tensiune nominala U_0/U :0.6/1 kV

Rated voltage U_0/U : 0.6 / 1 kV

Domeniul de utilizare

Instalatii electrice fixe exterioare montate pe izolatori si la legatura dintre acestea si tabloul de distributie sau firidele de bransament

Applicability :

Open-air fixed installations mounted on insulators & connections between the former and switchboards or connection cabinets.

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

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

Temperatura cond in scurtcircuit: +160°C

Conductor temperature during short-circuit: : +160°C

Temperatura minima in timpul pozarii: -5°C

Lowest temperature during installation: -5°C

Temperatura minima dupa pozare: -40°C

Lowest temperature after installation: -40°C

Conductor de aluminiu

Conductor de aluminiu recopt unifilar rigid ru sau multifilar rigid ,rm conf SR EN 60228

Aluminium conductor

Rigid annealed monowire ru, or rigid multiwire conductor rm, SR EN 60228

Izolatie

PVC rezistent la intemperii

Marcaj

SC ELECTROPLAST SA ,simbol cablu

Insulation:

Weather-resistant PVC

Marking :

SC ELECTROPLAST SA, cable symbol

Raza minima de curbura

6xdiametru cablului

Min. bending radius :

6 x cable diameter

Cod de culoare izolatie : neagra

Color coding : black

AFYI

Cabluri monofilare fara manta

Unsheathed single-core cables

Simbol <i>Symbol</i>	Sectiune nominala a conductorului <i>Nominal cross-section of conductor</i>	Tip cond. <i>Type of cond</i>	Grosime nominala izolatie <i>Nominal insulation thickness</i>	Diametru exterior max <i>Max outer diameter</i>	Rezistenta electrica Al min la 20°C Ω/km	Masa Inf <i>Mass inf</i>
	mm ²		mm	mm	Ω/km	kg/km
AFYI	6	ru	1.4	6.6	-	41.0
AFYI	10	ru	1.4	7.9	3.080	56.0
AFYI	16	rm	1.4	9.6	1.910	83.0
AFYI	25	rm	1.6	11.5	1.200	123.0
AFYI	35	rm	1.6	13.2	0.868	160.0
AFYI	50	rm	1.8	15.4	0.641	221.0
AFYI	70	rm	1.8	17.6	0.443	291.0
AFYI	95	rm	2.0	19.5	0.320	398.0
AFYI	120	rm	2.0	21.3	0.253	473.0
AFYI	150	rm	2.0	23.3	0.206	572.0
AFYI	185	rm	2.0	24.0	0.164	688.0
AFYI	240	rm	2.0	26.0	0.125	866.0

NYIFY



Cordoane plate cu izolatie si manta de PVC

Flat PVC-insulated and sheathed power cord

Standard de fabricatie: VDE 0250/201

Tensiune nominala U_o/U : 0.23/0.4 kV

Tensiune de incercare :2000 V

Domeniul de utilizare

Pentru instalatii fixe sau sub tencuiala, pentru retele de iluminat in locuinte sau edificii publice.

Temperatura in functionare : -20 ÷ +70° C

Temperatura in scurtcircuit :160 ° C timp de max 1 s

Conductor de cupru

Conductor de cupru recopt multifilar (clasa 1), SR EN 60228

Izolatie

PVC tip Y11

Manta

PVC tip YM1

Rezistentă la flacăra conf SR EN 60332-1-2

Marcaj

SC ELECTROPLAST SA ,simbol cablu

Raza minima de curbura 6x Ø cablu

Cod de culori

2 conductoare

maro/albastru

3 conductoare

verde-galben/maro/albastru sau

negru/albastru/maro

4 conductoare

verde-galben/negru/albastru/maro sau

negru/albastru/maro/negru

Culoarea mantalei

Alba ,gri sau neagra

Manufacturing standard: VDE 0250/201

Rated voltage U_o/U : 0.23/0.4 kV

Testing voltage :2000 V

Applications:

For fixed or in-wall wirings, for lighting networks in homes or public buildings.

Operational temperature: -20 ÷ +70° C

Short-circuit temperature:160 ° C, max 1 s

Copper conductor:

Multiwire annealed copper conductor (class 1), SR EN 60228

Insulation

PVC type Y11

Sheath

PVC type YM1

Flame resistance according to SR EN 60332-1-2

Marking

SC ELECTROPLAST SA, cable symbol

Min. bending radius: 6 x cable diameter

Color coding;

2 conductors

brown / blue

3 conductors

green-yellow / brown / blue or

black / blue / brown

4 conductors

green-yellow / black / blue / brown or

black / blue / brown / black

Sheath color

White, grey or black

NYIFY



**Cordoane plate cu izolatie si
manta de PVC**

**Flat PVC-insulated and
sheathed power cord**

Tipodi- mensiune cordon <i>Cord size</i>	Nr sarme din cond <i>No. of wires in conduct or</i>	Grosime radiala izolatie, <i>Radial thickness of insulatio n mm</i>	Grosime radiala manta <i>Radial thickness of sheath mm</i>	Latime cablu min <i>Cable width min mm</i>	Latime x grosime cablu max <i>Cable width x thickness max mm</i>	Rezistenta minima de izolatie la 70°C <i>Min resistance of insulation at 70°C MΩ*km</i>	Masa inf <i>Mass, inf kg/km</i>
2x1.5	1	0.4	0.8	10.5	4.4 x 12	0.0074	58
2x2.5	1	0.5	0.9	12	5.2 x 13.5	0.0072	88
2x4	1	0.6	0.9	14	6 x 15.5	0.0069	128
3x1.5	1	0.4	0.8	17.5	4.4 x 19	0.0074	83
3x2.5	1	0.5	0.9	19.5	5.2 x 21.5	0.0072	125
3x4	1	0.6	0.9	23	6 x 25	0.0069	180

**FH 0.3/0.5 kV ;
FH 0.45/0.75 kV**



Cabluri monofilare fara manta cu izolatie de polietilena ,fara halogeni cu emisie redusa de fum(LSFH)

Standard de fabricatie: SR HD 21 15 S1

Tensiune nominala U_o/U :0.3/0.5 kV; 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice fixe,interioare la tensiune de 450/750 V,in cladiri unde este pusa in pericol viata sau valori materiale

Se pot instala in conducte la vedere sau nu , direct sub tencuiala,in medii uscate sau umede.

Conductor de cupru

Conductor de cupru recopt unifilar rigid (ru) ru sau multifilar rigid ,rm (rm);SR EN 60228

Izolatie

Polietilena fara halogeni cu emisie redusa de gaze toxice si fum

Marcaj

SC ELECTROPLAST SA ,simbol cablu

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

Temperatura max. in scurtcircuit

160 °C ,timp de max 5 secunde

Raza minima de curbura

6xdiametru cablului

Cod de culori

FH 0.3/0.5 KV

Cabluri monocolor:negru,albastru,maro,gri, portocaliu,roz,rosu,turcuaz,violet,alb, verde si galben .

Se admit toate combinatiile bicolore

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

FH 0.45/0.75 KV

Cabluri monocolor:negru,albastru,maro,gri,

portocaliu,roz,rosu,turcuaz,violet,alb.

Cabluri bicolore:verde-galben min 30% verde,max 70% galben

Alte combinatii bicolore nu sunt permise

Comportare la foc

Cabluri sunt cu intarziere marita la propagarea flacarii conf SR EN 60332-1-2

Corozivitatea gazelor de ardere conf SR EN 50267-2-2

pH ≥ 4.3

Conductivitatea $\leq 100 \mu S.cm^{-1}$

Densitatea fumului ,conf SR EN 50268

permeabilitatea luminii $\geq (50-70) \%$

Unsheathed single-core cables , insulation and halogen – free low smoke emission thermoplastic

Standard: SR HD 21 15 S1

Rated voltage U_o/U : 0.3/0.5 kV , 0.45 / 0.75 kV

Applicability :

Indoor wirings at voltages up to 450/750 V.

They can be installed in open or buried conduits , directly under drywall, in dry or moist environments.

For fixed electric installations in public buildings where life and / or valuable goods may be at risk.

Conductor de cupru:

Rigid annealed monowire (ru), or rigid multiwire conductor (rm), SR EN 60228

Insulation:

insulation halogen – free low smoke emission thermoplastic

Marking :

SC ELECTROPLAST SA, cable symbol

Max. long-run operational temperature: 70°C

Max. temperature during short circuit :

160°C, max. 5 seconds

Min. bending radius :

6 x diametru cablului

Color coding :

FH 0.3/0.5 KV

Monochrome cables: black, blue, brown, gray, orange, pink, red, tourquoise, violet, white, green and yellow.

All two-colors combinations are accepted.

Yellow-green cables : min 30% green, max 70% yellow

FH 0.45/0.75 KV

Monochrome cables: black, blue, brown, gray, orange, pink, red, tourquoise, violet, white

Yellow-green cables : min 30% green, max 70% yellow

Other two-colors combinations are not accepted

The cables are extra flame retardant according to

EN 60332-1-2

Corrosiveness of emanated gases, according to SR EN 50267-2-2

* pH ≥ 4.3

* Conductivity: $\leq 100 \mu S.cm^{-1}$

Smoke density according SR EN 50268

Light permeability : $\geq (50-70) \%$

**FH 0.3/0.5 kV ;
FH 0.45/0.75 kV**



**Cabluri monofilare fara manta
cu izolatie de polietilena ,fara
halogeni cu emisie redusa de
fum(LSFH)**

**Unsheathed single-core cables
, insulation and halogen – free
low smoke emission
thermoplastic**

Simbol <i>Symbol</i>	Section nominala a conductorului <i>Nominal cross- section of conductor</i>	Tip cond. <i>Type of cond</i>	Grosime nominala izolatie <i>Nominal insulation thickness</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i>	Rezistenta de izolatie la 70°C,min <i>Min. insulation resistance at 70°C</i>	Masa Inf <i>Mass inf</i>
	mm ²		mm	mm	Ω/km	MΩ*km	kg/km
FH	0.5	ru	0.6	2.0	36.0	0.015	9
FH	0.75	ru	0.6	2.2	24.5	0.013	11
FH	1	ru	0.6	2.3	18.1	0.011	14
FH	1.5	ru	0.7	2.8	12.1	0.011	20
FH	2.5	ru	0.8	3.4	7.41	0.010	32
FH	4	ru	0.8	3.9	4.61	0.0087	46
FH	6	ru	0.8	4.4	3.08	0.0074	67
FH	6	rm	0.8	4.8	3.08	0.0070	70
FH	10	ru	1.0	5.6	1.83	0.0072	111
FH	10	rm	1.0	6.2	1.83	0.0067	115
FH	16	rm	1.0	7.4	1.15	0.0056	168
FH	25	rm	1.2	9.1	0.727	0.0053	273
FH	35	rm	1.2	10.3	0.524	0.0046	368
FH	50	rm	1.4	11.9	0.387	0.0046	494
FH	70	rm	1.4	13.7	0.268	0.0040	696
FH	95	rm	1.6	16.1	0.193	0.0039	962
FH	120	rm	1.6	17.4	0.153	0.0035	1178
FH	150	rm	1.8	19.5	0.124	0.0035	1463
FH	185	rm	2.0	23.0	0.0991	0.0035	1850
FH	240	rm	2.2	24.3	0.0754	0.0034	2342
FH	300	rm	2.4	27.5	0.0601	0.0033	3026