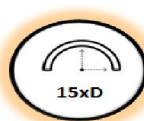
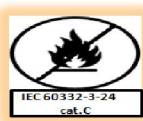
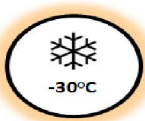
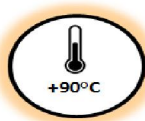


C2XCH, N2XCH

Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen



Power cable with XLPE insulation and halogen free jacket



Standard de fabricatie: SR HD 604 S1/5G; SR CEI 60502-1
Tensiune nominala $U_0/U(Um)$: 0.6/1(1.2) kV
Tensiunea de incercare: 4 kV, 50 Hz, timp de 5 minute.

Domeniul de utilizare

Cablurile sunt destinate pentru instalatii electrice fixe in centrale electrice, in cladiri publice, gari, aeroporturi, statii de metrou, supermarketuri, sali de spectacole, spitale etc. La ardere cablurile nu degaja gaze toxice si corozive si au emisie redusa de fum. Cablurile se pot instala in locuri umede, dar nu direct in apa sau in pamant

Temperatura conductorului de cupru in functionarea de durata: -30 ÷ +90°C

Temperatura maxima a conductorului in scurtcircuit (max. 5 s): +250°C

Temperatura minima a cablului la montaj (masurata pe manta): -5°C

Conductor de cupru

Conductor unifilar (re), multifilar (rm), sau sector-multifilar (sm), conf. SR EN 60228

Izolatie

Polietilena reticulata (XLPE)

Invelis intern

Poliiolefina tip HM4, fara halogen.

Conductor concentric +contraspira

Sarma de cupru + contraspira din banda de Cu

Manta exterioara

Poliiolefina tip HM4, fara halogen.

Cabluri sunt cu rezistenta marita la propagarea flacarii conf. SR EN 60332-3-24/cat.C

Corozivitatea gazelor de ardere conf. SR EN 60754-2

✓ pH ≥ 4.3

✓ Conductivitatea: ≤ 10 μS*cm⁻¹

* Densitatea fumului, conf SR EN 61034-1

* Permeabilitatea luminii: ≥ (50-70) %

Marcaj pe manta

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

Raza minima de curbura la instalare

15 x diametrul cablului- cablu monofilar

12 x diametrul cablului- cablu multifilar

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor: galben-verde sau negru
- 2 conductoare: albastru, maro
- 3 conductoare: maro, negru, gri
- 4 conductoare: albastru, maro, negru, gri
- 5 conductoare: albastru, maro, negru, gri, negru

Mai mult de 5 conductoare:

- conductoare negre numerotate
- g-v, negre numerotate

Reference standard: SR HD 604 S1/5G; SR CEI 60502-1

Rated voltage $U_0/U(Um)$: 0.6/1(1.2) kV

Test voltage: 4 kV, 50 Hz, for 5 minutes.

Applications

Cables are designed for fixed wirings in power stations, public buildings, train stations, airports, subway stations, supermarkets, concert / theater halls, hospitals etc. They do not release toxic or corrosive gases during combustions and have low smoke emission. The cables can be laid in wet environments, but not directly in the water or under the earth.

Conductor temperature in long-run operation: -30 ÷ +90°C

Max. conductor temperature in short-circuit (max 5 s): +250°C

Minimum cable temperature during installation (masured on sheath surface): -5°C

Copper conductor

Solid conductor (re), concentrically stranded conductor (rm) or sector-shaped conductor (sm), acc. to SR EN 60228

Insulation

Crosslinked polyethylene (XLPE)

Inner sheath

Halogen free polyolefin, HM4 type.

Concentric conductor + counter helix

Copper wire + copper tape counter helix

Sheath

Halogen free polyolefin, HM4 type.

Extra flame retardant cables, test acc. to EN 60332-3-24/ C category.

Corrosivity of gases evolved according SR EN 60754-2

✓ pH ≥ 4.3

✓ Conductivity: ≤ 10 μS*cm⁻¹

* Smoke density according SR EN 61034-1

* Light permeability: ≥(50-70) %

Sheath marking

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

Min. bending radius at installation

15 x cable diameter- single-core cable

12 x cable diameter- multi-core cable

Max. tensile strain at installation

50 N/mm²

Color coding

- 1 conductor: yellow-green or black
- 2 conductors: blue, brown
- 3 conductors: brown, black, grey
- 4 conductors: blue, brown, black, grey
- 5 conductors: blue, brown, black, grey, black

More than 5 conductors:

- numbered black conductors

C2XCH, N2XCH



Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and halogen free jacket

➤ yellow-green, numbered black conductors

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala Manta	Rezistenta electrica max, la 20°C	Diametru exterior	Masa inf
<i>Cable size</i>	<i>Cond. type</i>	<i>Insulation's radial thickness mm</i>	<i>Sheath's radial thickness mm</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter mm</i>	<i>Mass inf kg/km</i>
				Ω/km		
1x25/16	rm	0.9	1.8	0.727	13.8	484
1x25/25	rm	0.9	1.8	0.727	14.2	569
1x50/50	rm	1.0	1.8	0.387	19.4	1022
1x185/95	rm	1.6	1.9	0.268	29.1	2735
1x240/120	rm	1.7	1.9	0.0754	30.7	3403
1x300/150	rm	1.8	2.0	0.0601	33.7	4217
2x1.5/1.5	re	0.7	1.8	12.2	12.2	197
2x2.5/2.5	re	0.7	1.8	7.41	13.5	270
2x4/4	re	0.7	1.8	4.61	14.1	322
2x6/6	re	0.7	1.8	3.08	15.3	396
2x10/10	re	0.7	1.8	1.83	17.6	494
2x16/16	re	0.7	1.8	1.15	19.4	778
2x25/16	rm	0.9	1.8	0.727	23.2	1050
2x25/25	rm	0.9	1.8	0.727	23.6	1135
2x35/16	rm	0.9	1.8	0.524	25.2	1297
2x35/25	rm	0.9	1.8	0.524	25.6	1366
3x1.5/1.5	re	0.7	1.8	0.387	12.5	218
3x2.5/1.5	re	0.7	1.8	7.41	13.3	267
3x4/4	re	0.7	1.8	4.61	14.5	354
3x6/6	re	0.7	1.8	3.08	15.7	447
3x10/10	re	0.7	1.8	1.83	18.1	651
3x16/16	re	0.7	1.8	1.15	19.9	906
3x25/16	rm	0.9	1.8	0.727	23.9	1241
3x25/25	rm	0.9	1.8	0.727	24.3	1265
3x35/16	sm	0.9	1.8	0.524	23.9	1406
3x35+16/16	sm	0.9	1.8	0.524;1.15	27.1	1742
3x50/25	sm	1.0	1.9	0.387	28.3	1918
3x70/35	sm	1.1	2.0	0.268	32.9	2667
3x95/50	sm	1.1	2.1	0.193	35.3	3527
3x120/70	sm	1.2	2.2	0.153	39.2	4425
3x150/70	sm	1.4	2.3	0.124	43.0	5256
4x1.5/1.5	re	0.7	1.8	12.1	13.4	260
4x2.5/2.5	re	0.7	1.8	7.41	14.9	346
4x4/4	re	0.7	1.8	4.61	15.6	420

C2XCH, N2XCH



Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and halogen free jacket

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala Manta	Rezistenta electrica max, la 20°C	Diametru exterior	Masa inf
<i>Cable size</i>	<i>Cond. type</i>	<i>Insulation's radial thickness mm</i>	<i>Sheath's radial thickness mm</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter</i>	<i>Mass inf</i>
				Ω/km	mm	kg/km
4x6/6	re	0.7	1.8	3.08	17.0	540
4x10/10	re	0.7	1.8	1.83	19.6	786
4x16/16	re	0.7	1.8	1.15	21.8	1068
4x25/16	rm	0.9	1.8	0.727	26.3	1454
4x25/25	rm	0.9	1.8	0.727	26.8	1539
4x35/16	sm	0.9	1.8	0.524	26.1	1756
4x50/25	sm	1.0	1.9	0.387	30.7	2392
4x50/50	sm	1.0	1.9	0.387	31.2	2589
4x70/35	sm	1.1	2.1	0.268	34.9	3337
4x95/50	sm	1.1	2.2	0.193	39.0	4463
4x120/70	sm	1.2	2.4	0.153	43.6	5633
5x1.5/1.5	re	0.7	1.8	12.1	14.1	294
5x2.5/2.5	re	0.7	1.8	7.41	16.2	505
5x4/4	re	0.7	1.8	4.61	16.6	485
5x6/6	re	0.7	1.8	3.08	18.2	625
5x10/10	re	0.7	1.8	1.83	21.0	920
5x10/16	re	0.7	1.8	1.83	21	941
5x25/16	rm	0.9	1.8	0.727	28.6	1844
5x35/16	rm	0.9	2.0	0.524	31.6	2413
5x50/50	rm	1.0	2.1	0.387	36.1	3440
5x50/25	rm	1.0	2.1	0.387	35.6	3242
7x1.5/1.5	re	0.7	1.8	12.1	15.0	338
7x2.5/2.5	re	0.7	1.8	7.41	16.1	435
7x2.5/16	re	0.7	1.8	7.41	17.2	551
7x4/10	re	0.7	1.8	4.61	18.3	619
7x4/16	re	0.7	1.8	4.61	18.5	674
9x2.5/2.5	re	0.7	1.8	7.41	19.6	495
10x1.5/4	re	0.7	1.8	12.1	18.0	432
10x2.5/4	re	0.7	1.8	7.41	19.6	550
12x1.5/4	re	0.7	1.8	12.1	18.4	474
12x2.5/4	re	0.7	1.8	7.41	20.1	611
14x1.5/4	re	0.7	1.8	12.1	19.1	520
14x2.5/4	re	0.7	1.8	7.41	20.9	678
16x2.5/6	re	0.7	1.8	7.41	21.8	740

C2XCH, N2XCH



Cablu de energie cu izolatie de polietilena reticulata si manta fara halogen

Power cable with XLPE insulation and halogen free jacket

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala Manta	Rezistenta electrica max, la 20°C	Diametru exterior	Masa inf
<i>Cable size</i>	<i>Cond. type</i>	<i>Insulation's radial thickness mm</i>	<i>Sheath's radial thickness mm</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
19x1.5/6	re	0.7	1.8	12.1	20.7	650
19x2.5/6	re	0.7	1.8	7.41	22.8	832