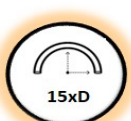
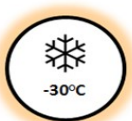
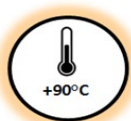
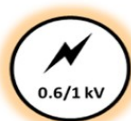


C2XH , N2XH



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

Crosslinked insulated (XLPE) halogen free sheathed power cables



Standard de fabricatie: SR HD 604 S1
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, muzee etc. La ardere cablurile nu degaja gaze toxice si corosive si au emisie redusă de fum. Cablurile se pot instala in locuri umede, dar nu direct in apa sau în pamant.

Temperatura conductorului 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

Conductor cupru, conf SR EN 60228

Izolatia

Polietilena reticulata (XLPE), tip DIX 3

Manta

Poliiolefina, tip HM4 fara halogen.

Cablurile sunt cu intarziere marita la propagarea flacarii

conf. SR EN 60332-3-24/ cat.C si sunt certificate conf.

SR EN 50575: clasa Eca;

Corozivitatea gazelor de ardere conf. SR EN 60754-2

✓ pH : ≥ 4.3

✓ Conductivitatea: $< 2.5 \mu S \cdot cm^{-1}$

* Densitatea fumului conf. SR EN 61034-2

* Permeabilitatea luminii: $\geq (50-70) \%$

Marcaj pe manta

ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie, Eca

Raza minima de curbura la instalare

15 x diametrul cablului

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 $> 10 mm^2$
- 3 conductoare-mar, 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
- galben-verde, conductoare negre numerotate

Reference standard: SR HD 604 S1
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/ theatre halls, hospitals, museums etc. They do not release toxic or corrosive gases during combustion 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°C ÷

+90°C

Max. conductor temperature in short-circuit (max 5 s):

+250°C

Minimum cable temperature during installation

(measured on sheath surface): -5°C

Conductor

Copper conductor, according to SR EN 60228

Insulation

Crosslinked polyethylene (XLPE), DIX 3 type.

Sheath

Polyolefin, HM4 type.

Extra flame retardant cables, according to EN 60332-3-24/

C category, they are SR EN 50575 certified: class Eca;

Corrosivity of gases evolved acc. to SR EN 60754-2

✓ pH: ≥ 4.3

✓ Conductivity: $< 2.5 \mu S \cdot cm^{-1}$

* Smoke density according SR EN 61034-2

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

Sheath marking

ELECTROPLAST SA, cable symbol, operational voltage, manufacture year, Eca

Min. bending radius at installation

15 x cable diameter

Max. tensile strain at installation

50 N/mm²

Color coding

- 1 conductor: -black or yellow-green
- 2 conductors- blue, brown
 - yellow-green, black for sect $> 10 mm^2$
- 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

C2XH , N2XH



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

Crosslinked insulated (XLPE) halogen free sheathed
power cables

Tipodimen siune 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</i>	<i>Sheath's radial thickness</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
2x1.5	re	0.7	1.2	12.1	8.3	106
2x2.5	re	0.7	1.2	7.41	8.9	130
2x4	re	0.7	1.2	4.61	10.0	175
2x6	re	0.7	1.2	3.08	11.0	235
2x10	re/rm	0.7	1.2	1.83	12.6	345
2x16	re/rm	0.7	1.2	1.15	14.4	490
2x25	rm	0.9	1.3	0.727	18.4	780
3x1.5	re	0.7	1.2	12.1	8.4	114
3x2.5	re	0.7	1.2	7.41	9.4	151
3x4	re	0.7	1.2	4.61	10.3	207
3x4	rm	0.7	1.2	4.61	11.0	218
3x6	re	0.7	1.2	3.08	11.4	270
3x6	rm	0.7	1.2	3.08	12.1	297
3x10	re/rm	0.7	1.2	1.83	12.9	416
3x16	re/rm	0.7	1.3	1.15	15.0	615
4x1.5	re	0.7	1.2	12.1	9.3	143
4x2.5	re	0.7	1.2	7.41	10.2	191
4x4	re	0.7	1.2	4.61	11.3	260
4x4	rm	0.7	1.2	4.61	12.0	280
4x6	re	0.7	1.2	3.08	12.4	371
4x10	re/rm	0.7	1.3	1.83	14.7	544
4x16	re/rm	0.7	1.3	1.15	16.8	798
5x1.5	re	0.7	1.2	12.1	10.0	165
5x2.5	re	0.7	1.2	7.41	11.1	223
5x4	re	0.7	1.2	4.61	12.3	309
5x4	rm	0.7	1.2	4.61	13.1	326
5x6	re	0.7	1.2	3.08	13.6	412
5x6	rm	0.7	1.2	3.08	14.8	470
5x10	re/rm	0.7	1.3	1.83	16.0	650
5x16	re/rm	0.7	1.3	1.15	18.5	954
7x1.5	re	0.7	1.2	12.1	11.1	218
7x2.5	re	0.7	1.2	7.41	12.0	295