

N2XH, C2XH

Cablu de energie flexibil cu izolatie din polietilena reticulate si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible power cable with XLPE insulation and halogen free sheath (Low Smoke Zero Halogens)

Standard	Aprobari / Approvals	Ambalare / Packaging
SR HD 604 S1; IEC 60502-1, ST 139 Rev 2: 2016	Certificat de omologare tehnica feroviara Nr.121, 122/2017, AFER Buc Railway Technical Approval Certificate No 121,122/2017, AFER Buc Romania	Tambur/ drum

CARACTERISTICI		CHARACTERISTICS																									
Utilizare: Cablurile sunt destinate pentru instalatii electrice fixe in centrale electrice, in cladiri publice, gari, aerogari, statii de metrou, supermarketuri, sali de spectacole, spitale etc. La ardere cablurile nu degaja gaze toxice si corosive si au emisie redusa de fum. Cablurile se pot instala in locuri umede, dar nu direct in apa sau in pamant		Applicability : The cables are designed for fixed wirings in power stations, public buildings, train stations, airports, underground stations, supermarkets, concert / theater halls, hospitals etc. The cables do not release toxic or corrosive fumes 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.																									
Tensiune nominala U ₀ /U	0.6/1 kV	Rated voltage U ₀ /U	0.6/1 kV																								
Tensiune de incercare	3.5 kV ca sau 8.4 kV cc,5 min	Test voltage	3.5 kV ac or 8.4 kV dc,5 min																								
Rezistivitatea de volum specifica, min,	la 20 °C -10 ¹⁵ la 90 °C -10 ¹²	Volume resistivity, min.	at 20 °C -10 ¹⁵ at 90 °C -10 ¹²																								
Constanta rezistentei de izolatie	90 °C: min 3.67 MΩ*km	Insulation resistance constant at	90 °C: min 3.67 MΩ*km																								
Temperatura minima de instalare pe cablu	-5°C	The minim temperature of de cable during installation	-5°C																								
Temperatura maxima de lucru	+90°C	Max.permmissible operating temperature	+90°C																								
Temperatura maxima de scurt-circuit	+250°C (max 5 sec)	Max. short-circuit temperature	+250°C (max 5 sec)																								
Temperatura de utilizare normala	-30°C ++90°C	Normal operational temperature range	-30°C ÷ +90°C																								
Temperatura minima de montaj	-5°C	Temperature during installation	-5°C																								
Temperatura masurata pe manta	-10°C ++90°C	Temperature measured on the sheath	-10°C + +90°C																								
Conformitate RoHS	Da	RoHS compliancy	Yes																								
Conformitate REACH	Da	REACH compliancy	Yes																								
Conductor de cupru	Conductor multifilar flexibil (rm), cl. 5 conf. SR EN 60228	Copper conductor	Flexible conductor (rm), cl. 5 according to SR EN 60228																								
Izolatie	Polietilena reticulata (XLPE)	Insulation	Crosslinked polyethylene (XLPE)																								
Umplutura	Material plastic fara halogeni	Filling	Halogen-free plastic																								
Manta exterioara	Poliolefina fara halogen, tip HM4; Cabluri sunt cu intarziere 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/mm Densitatea fumului, conf. SR EN 61034-1 permeabilitatea luminii: ≥ (50-70) %	Outer sheath	Halogen-free polyolefine, HM4 type. The cables are extra flame retardant according to SR EN 60332-3-24/ C category. Corrosivity of gases evolved according SR EN 60754-2: * pH ≥ 4,3 * Conductivity: ≤ 10 μS/mm Smoke density according SR EN 61034-1 Light permeability: ≥ (50-70) %																								
Marcaj pe manta	SC ELECTROPLAST SA ,simbol cablu, tensiune de lucru, luna,an de fabricatie, marcaj de lungime Exemplu de marcaj : N2XH 4x2,5 mm ² 0.6/1 kV ELECTROPLAST SA 00/0000 0000	Sheath marking	SC ELECTROPLAST SA , cable symbol, operational voltage, months, manufacture year, mark length Example: N2XH 4x2,5 mm ² 0.6/1 kV ELECTROPLAST SA 00/0000 0000																								
Raza minima de curbura la instalare	Min. 12 x diametrul cablului	Min. bending radius at installation	Min. 12 x cable diameter																								
Forta maxima de tractiune la pozare	50 N/mm ²	Max. tensile strain during installation	50 N/mm ²																								
Cod de culori conf SR HD 308 S2 (nr. de conductoare)	<table border="1"> <tr> <td>1</td> <td>negru / galben-verde</td> </tr> <tr> <td>2</td> <td>albastru, maro / galben-verde, negru, pt sect >10mm²</td> </tr> <tr> <td>3</td> <td>maro,negru,gri / galben-verde, albastru, maro</td> </tr> <tr> <td>4</td> <td>albastru, maro, negru, gri / galben-verde, maro, negru, gri</td> </tr> <tr> <td>5</td> <td>albastru, maro, negru, gri, negru / galben-verde, albastru, maro, negru, gri</td> </tr> <tr> <td>>5</td> <td>conductoare negre numerotate sau galben-verde si conductoare numerotate</td> </tr> </table>	1	negru / galben-verde	2	albastru, maro / galben-verde, negru, pt sect >10mm ²	3	maro,negru,gri / galben-verde, albastru, maro	4	albastru, maro, negru, gri / galben-verde, maro, negru, gri	5	albastru, maro, negru, gri, negru / galben-verde, albastru, maro, negru, gri	>5	conductoare negre numerotate sau galben-verde si conductoare numerotate	Color coding according SR HD 308 S2 (no. of conductors)	<table border="1"> <tr> <td>1</td> <td>black / yellow-green</td> </tr> <tr> <td>2</td> <td>blue,brown yellow-green, black for sect>10 mm²</td> </tr> <tr> <td>3</td> <td>brown, black, grey yellow-green, blue, brown</td> </tr> <tr> <td>4</td> <td>blue, brown, black, grey yellow-green, brown, black, grey</td> </tr> <tr> <td>5</td> <td>blue, brown, black, grey, black yellow-green, blue, brown, black, grey</td> </tr> <tr> <td>>5</td> <td>numbered black conductors or yellow-green and numbered conductors</td> </tr> </table>	1	black / yellow-green	2	blue,brown yellow-green, black for sect>10 mm ²	3	brown, black, grey yellow-green, blue, brown	4	blue, brown, black, grey yellow-green, brown, black, grey	5	blue, brown, black, grey, black yellow-green, blue, brown, black, grey	>5	numbered black conductors or yellow-green and numbered conductors
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N2XH, C2XH

Cablu de energie flexibil cu izolatie din polietilena reticulate si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible power cable with XLPE insulation and halogen free sheath (Low Smoke Zero Halogens)

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru exterior, inf. <i>Outer diameter, inf</i> mm
1x4	cl.5	0.7	1.2	4.95	7.6
1x6	cl.5	0.7	1.2	3.30	6.9
1x10	cl.5	0.7	1.2	1.91	9.2
1x16	cl.5	0.7	1.2	1.21	9.5
1x25	cl.5	0.9	1.2	0.780	12.5
1x35	cl.5	0.9	1.2	0.554	13.5
1x50	cl.5	1.0	1.2	0.386	15.0
1x70	cl.5	1.1	1.2	0.272	17.0
1x95	cl.5	1.1	1.3	0.206	19.1
1x120	cl.5	1.2	1.3	0.161	17.9
1x150	cl.5	1.4	1.3	0.129	19.6
1x185	cl.5	1.6	1.4	0.106	26.0
1x240	cl.5	1.7	1.4	0.0801	29.2
1x300	cl.5	1.8	1.5	0.0641	31.4
1x400	cl.5	2.0	1.5	0.0486	35.6
1x630	cl.5	2.4	1.7	0.0287	40.3
2x1.5	cl.5	0.7	1.2	13.3	8.7
2x2.5	cl.5	0.7	1.2	7.98	10.0
2x4	cl.5	0.7	1.2	4.95	10.4

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Flexible power cable with XLPE insulation and halogen free sheath (Low Smoke Zero Halogens)

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru exterior, inf. <i>Outer diameter, inf</i> mm
2x6	cl.5	0.7	1.2	3.30	11.4
2x10	cl.5	0.7	1.2	1.91	13.0
2x16	cl.5	0.7	1.2	1.21	14.8
2x25	cl.5	0.9	1.3	0.780	18.8
2x35	cl.5	0.9	1.4	0.554	21.0
3x1.5	cl.5	0.7	1.2	13.3	9.3
3x2.5	cl.5	0.7	1.2	7.98	10.3
3x4	cl.5	0.7	1.2	4.95	11.4
3x6	cl.5	0.7	1.2	3.30	11.8
3x10	cl.5	0.7	1.2	1.91	13.5
3x16	cl.5	0.7	1.3	1.21	15.6
3x16+10	cl.5	0.7/0.7	1.3	1.21/1.91	17.1
3x25	cl.5	0.9	1.3	0.780	19
3x25+16	cl.5	0.9/0.7	1.4	0.780/1.21	21.1
3x35	cl.5	0.9	1.4	0.554	19.1
3x35+16	cl.5	0.9/0.7	1.4	0.554/1.21	22.9
4x1.5	cl.5	0.7	1.2	13.3	9.9
4x2.5	cl.5	0.7	1.2	7.98	10.8
4x4	cl.5	0.7	1.2	4.95	12.6

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Flexible power cable with XLPE insulation and halogen free sheath (Low Smoke Zero Halogens)

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru exterior, inf. <i>Outer diameter, inf</i> mm
4x6	cl.5	0.7	1.2	3.30	13.1
4x10	cl.5	0.7	1.3	1.91	15.3
4x16	cl.5	0.7	1.3	1.21	17.4
4x25	cl.5	0.9	1.4	0.780	22.2
4x25+16	cl.5	0.9/0.7	1.4	0.780/1.21	24
4x35	cl.5	0.9	1.4	0.554	21.3
4x35+16	cl.5	0.9/0.7	1.5	0.554/1.21	27.3
4x35+16	cl.5	0.9/0.7	1.5	0.554/1.21	27.3
5x1.5	cl.5	0.7	1.2	13.3	11.0
5x2.5	cl.5	0.7	1.2	7.98	12.4
5x4	cl.5	0.7	1.2	4.95	13.7
5x6	cl.5	0.7	1.2	3.30	15.4
5x10	cl.5	0.7	1.2	1.91	16.6
5x16	cl.5	0.7	1.3	1.21	19.1
5x25	cl.5	0.9	1.4	0.780	24.4
5x35	cl.5	0.9	1.5	0.554	27.3
5x50	cl.5	1.0	1.6	0.386	31.3
5x70	cl.5	1.1	1.6	0.272	36.1
7x1.5	cl.5	0.7	1.2	13.3	11.5

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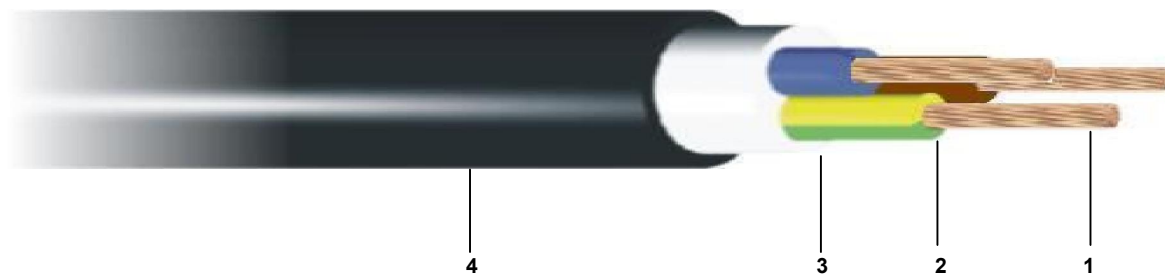
Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru exterior, inf. <i>Outer diameter, inf</i> mm
7x2.5	cl.5	0.7	1.2	7.98	12.6
7x4	cl.5	0.7	1.2	4.95	14.0
8x1.5	cl.5	0.7	1.2	13.3	12.5
8x2.5	cl.5	0.7	1.3	7.98	14.9
8x4	cl.5	0.7	1.3	4.95	16.5
10x1.5	cl.5	0.7	1.2	13.3	13.4
10x2.5	cl.5	0.7	1.3	7.98	15.9
10x4	cl.5	0.7	1.3	4.95	17.8
12x1.5	cl.5	0.7	1.3	13.3	14.0
12x2.5	cl.5	0.7	1.3	7.98	16.4
12x4	cl.5	0.7	1.3	4.95	18.3
14x1.5	cl.5	0.7	1.3	13.3	14.7
14x2.5	cl.5	0.7	1.3	7.98	17.2
14x4	cl.5	0.7	1.3	4.95	19.2
19x1.5	cl.5	0.7	1.3	13.3	16.4
19x2.5	cl.5	0.7	1.3	7.98	19.1
19x4	cl.5	0.7	1.4	4.95	21.6

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Cablu de energie flexibil cu izolatie din polietilena reticulate si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible power cable with XLPE insulation and halogen free sheath (Low Smoke Zero Halogens)

Forma constructiva:



1	Conductoare din cupru multifilare, flexibile.	1	Flexible copper conductors.
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta exterioara	4	Outer sheath