

N2XBH , C2XAbH

Cablu de energie cu cond flexibil , armate, cu izolatie din polietilena reticulata si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible, armored 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: Cabluurile 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 cabluurile nu degaja gaze toxice sau corozive si au emisie redusa de fum. Cabluurile 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, 50 Hz	Test voltage	3.5 kV ac or 8.4 kV dc, 5 min, 50 Hz	
Rezistivitatea de volum specifica, min,	la 20 °C - 10 ¹⁵ la 90°C - 10 ¹²	Volume resistivity at , min	la 20 °C-10 ¹⁵ la 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 (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 compound	
Manta interna	Poliolefina fara halogen, tip HM4	Inner bedding	Halogen free polyolefine, HM4 type	
Armatura	Benzi de otel laminate la rece	Armor	Cold rolled steel tape	
Manta exterioara	Poliolefina fara halogen, tip HM4 Cabluurile 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 ≤ 100 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 EN 60332-3-24/ Category C Corrosivity of gases evolved according SR EN 60754-2 * pH ≥ 4.3 * Conductivity: ≤ 100 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 : N2XBH 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, length mark. Example: N2XBH 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	Max -50 N/mm ²	Max. tensile strain during installation	Max- 50 N/mm ²	
Cod de culori conf SR HD 308 S2 (nr. de conductoare)	1	negru / galben-verde	1	black / yellow-green
	2	albastru, maro / galben-verde, negru, pt sect >10mm ²	2	blue, brown yellow-green, black for sect> 10 mm ²
	3	maro, negru, gri / galben-verde, albastru, maro	3	brown, black, grey yellow-green, blue, brown
	4	albastru, maro, negru, gri / galben-verde, maro, negru, gri	4	blue, brown, black, grey yellow-green, brown, black, grey
	5	albastru, maro, negru, gri, negru / galben-verde, albastru, maro, negru, gri	5	blue, brown, black, grey, black yellow-green, blue, brown, black, grey.
	>5	conductoare negre numerotate sau galben-verde si conductoare negre numerotate	>5	numbered black conductors or yellow-green and numbered black conductors

N2XBH , C2XAbH

Cablu de energie cu cond flexibil , armate, cu izolatie din polietilena reticulata si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible, armored 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
1x16	cl 5	0.7	1.8	1.21	12.9
1x25	cl 5	0.9	1.8	0.780	14.4
1x35	cl 5	0.9	1.8	0.554	15.4
1x50	cl 5	1.0	1.8	0.386	16.8
1x70	cl 5	1.1	1.8	0.270	18.6
1x95	cl 5	1.1	1.8	0.206	20.5
1x120	cl 5	1.2	1.8	0.161	22.0
1x150	cl 5	1.4	1.8	0.129	23.7
1x185	cl 5	1.6	1.8	0.106	25.9
1x240	cl 5	1.7	1.9	0.0801	28.5
1x300	cl 5	1.8	2.0	0.0641	31.0
1x630	cl 5	2.4	2.4	0.0287	45.9
2x1.5	cl 5	0.7	1.8	13.3	12.8
2x2.5	cl 5	0.7	1.8	7.98	13.5
2x4	cl 5	0.7	1.8	4.95	14.4
2x6	cl 5	0.7	1.8	3.30	15.4
2x10	cl 5	0.7	1.8	1.91	17.0
2x16	cl 5	0.7	1.8	1.21	18.8
2x25	cl 5	0.9	1.8	0.780	22.6

N2XBH , C2XAbH

Cablu de energie cu cond flexibil , armate, cu izolatie din polietilena reticulata si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible, armored 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
2x35	cl 5	0.9	1.8	0.554	24.6
3x1.5	cl 5	0.7	1.8	13.3	13.0
3x2.5	cl 5	0.7	1.8	7.98	13.8
3x4	cl 5	0.7	1.8	4.95	14.7
3x6	cl 5	0.7	1.8	3.30	15.8
3x10	cl 5	0.7	1.8	1.91	17.5
3x16	cl 5	0.7	1.8	1.21	19.4
3x16+10	cl 5	0.7/0.7	1.8	1.21/1.91	20.7
3x25	cl 5	0.9	1.8	0.780	23.8
3x25+16	cl 5	0.9/0.7	1.8	0.780/1.21	24.7
3x35	cl 5	0.9	1.8	0.554	26.0
3x35+16	cl 5	0.9/0.7	1.8	0.554/1.21	26.5
3x35+16	cl 5	0.9/0.7	1.8	0.554/1.21	26.5
4x1.5	cl 5	0.7	1.8	13.3	13.9
4x2.5	cl 5	0.7	1.8	7.98	10.8
4x4	cl 5	0.7	1.8	4.95	15.8
4x6	cl 5	0.7	1.8	3.30	17.1
4x10	cl 5	0.7	1.8	1.91	19.1
4x16	cl 5	0.7	1.8	1.21	21.8

N2XBH , C2XAbH

Cablu de energie cu cond flexibil , armate, cu izolatie din polietilena reticulata si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible, armored 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
4x25	cl 5	0.9	1.8	0.780	25.8
4x35	cl 5	0.9	1.8	0.554	28.2
5x1.5	cl 5	0.7	1.8	13.3	14.7
5x2.5	cl 5	0.7	1.8	7.98	15.7
5x4	cl 5	0.7	1.8	4.95	16.9
5x6	cl 5	0.7	1.8	3.30	18.3
5x10	cl 5	0.7	1.8	1.91	20.4
5x16	cl 5	0.7	1.9	1.21	22.3
5x25	cl 5	0.9	1.9	0.780	28.2
5x35	cl 5	0.9	1.9	0.554	30.9
5x50	cl 5	1.0	2.1	0.386	36.4
7x1.5	cl 5	0.7	1.8	13.3	15.5
7x2.5	cl 5	0.7	1.8	7.98	16.7
7x4	cl 5	0.7	1.8	4.95	18.0
8x1.5	cl 5	0.7	1.8	13.3	17.3
8x2.5	cl 5	0.7	1.8	7.98	18.7
8x4	cl 5	0.7	1.8	4.95	20.2
10x1.5	cl 5	0.7	1.8	13.3	18.2
10x2.5	cl 5	0.7	1.8	7.98	19.7

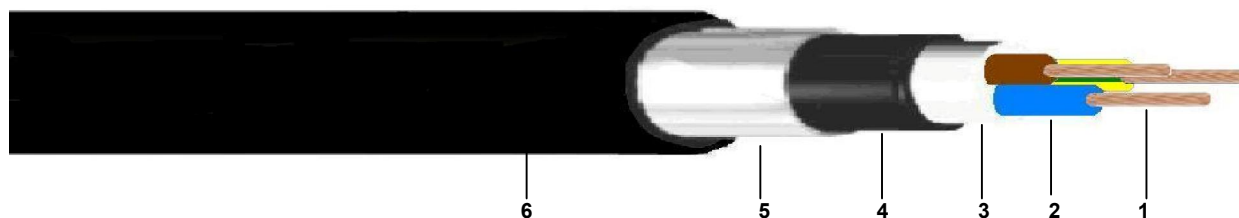
N2XBH , C2XAbH

Cablu de energie cu cond flexibil , armate, cu izolatie din polietilena reticulata si manta fara halogen cu rezistenta marita la propagarea flacarii

Flexible, armored 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</i> mm
10x4	cl 5	0.7	1.8	4.95	21.5
12x1.5	cl 5	0.7	1.8	13.3	18.7
12x2.5	cl 5	0.7	1.8	7.98	20.2
12x4	cl 5	0.7	1.8	4.95	22.0
14x1.5	cl 5	0.7	1.8	13.3	19.3
14x2.5	cl 5	0.7	1.8	7.98	21.0
14x4	cl 5	0.7	1.8	4.95	22.9
19x1.5	cl 5	0.7	1.8	13.3	21.9
19x2.5	cl 5	0.7	1.8	7.98	21.0
19x4	cl 5	0.7	1.8	4.95	22.9

Forma constructivă:



1	Conductoare multifilare flexibile (rm), cl.5	1	Flexible conductors, cl.5
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta interna	4	Inner sheath
5	Armatura din benzi de otel	5	Steel tape armor
6	Manta externa	6	Outer sheath