

C2XEALAbH , C2XEALAbzH

Cablu de energie ecranat - armat, cu izolatie de polietilena reticulata si manta fara halogen cu rezistenta marita la propagarea flacarii

Screened - armored power cable, cross-linked polyethylene insulated and halogen free sheath (Low Smoke Zero Halogens)

Standard	Aprobari / Approvals	Ambalare / Packaging
SR CEI 60502-1		Tambur/ drum

CARACTERISTICI		CHARACTERISTICS	
Utilizare: Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere. La ardere cablurile nu degaja gaze toxice și corozive și au emisie redusa de fum.		Applicability: Power supply to power stations. During combustion the cables have low smoke emissions and do not release toxic or corrosive fumes.	
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 at , min	to 20 °C-10 ¹⁵ to 90°C-10 ¹²
Rezistenta de izolatie la 20 °C	Min. 50 MΩ*km	Insulation resistance at 20 °C	Min. 50 MΩ*km
Constanta rezistentei de izolatie ,min	90 °C:min 3.67 MΩ*km	Insulation resistance constant, min	To 90 °C:min 3.67 MΩ*km
Factor reductor la 200mV/m si 50 Hz	max 0.7	Reduction factor	max 0.7
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.permissible 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
Rezistenta la propagarea flacarii	Cablurile sunt cu rezistenta la propagarea flacarii conf SR EN 60332-3-24/ cat. C	Flame retardant	Extra flame retardant cables, test according SR EN 60332-3-24/ C category
Conductor de cupru	Conductor unifilar (ru) sau multifilar cl 2 (rm,sm), conf. SR EN 60228.	Copper conductor	Solid conductor (ru) cl.1, stranded (rm) or sector-shaped (sm) cl 2 conductor, according to SR EN 60228.
Izolatie	Polietilena reticulata (XLPE)	Insulation	Cross-linked polyethylene (XLPE)
Umplutura	Material thermoplastic fara halogen	Filling	Halogen-free plastic
Manta interioara	Poliolefina fara halogen, tip HM4;	Inner sheath	Halogen-free polyolefin, HM4 type.
Ecran	Sarme de Al	Screen	Aluminium wires screen
Armatura	Banda de otel laminata la rece nezincata (C2XEALAbH) sau zincata (C2XEALAbzH, de grosime 0.2 sau 0.5 mm	Armor	Blank (C2XEALAbH,) or galvanized cold-rolled (C2XEALAbzH) steel tape 0.2 or 0.5 mm thickness.

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Manta exterioara	<p>Poliiolefina 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</p> <p>Densitatea fumului ,conf SR EN 61034-2 transmitanta de lumina ≥ (50-70) %</p>	Outer sheath	<p>Halogen-free polyolefin, HM4 type. Extra flame retardant cables test according to EN 60332-3-24/ C category Corrosivity of gases evolved * pH ≥ 4.3 * Conductivity: ≤ 10 μS/mm according SR EN 60754-2 Smoke density according SR EN 61034-2 Light permeability :≥ (50-70) %</p>	
Marcaj pe manta	<p>SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, luna, anul fabricatiei, marcaj de lungime. Exemplu de marcaj : C2XEALAbH 4x6 mm² 0.6/1 kV ELECTROPLAST SA 03/2018 0030</p>	Sheath marking	<p>SC ELECTROPLAST SA, cable symbol, operational voltage, month, manufacturing year, length mark. Example: C2XEALAbH 4x6 mm² 0.6/1 kV ELECTROPLAST SA 03/2018 0030</p>	
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 numerotate	>5	numbered black conductors or yellow-green and numbered conductors

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Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala manta interna nom/min	Grosime radiala nom/min manta exterioara	Rezistenta electrica max, la 20°C	Diametru exterior inf
<i>Cable size</i>	<i>Type of conductor</i>	<i>Insulation radial thickness</i>	<i>Inner sheath radial thickness</i>	<i>Outer sheath radial thickness nom/min</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter Inf</i>
		mm	mm	mm	Ω/km	mm
1x50	rm	1.0	1.2	1.8/1.24	0.387	20.4
1x70	rm	1.1	1.2	1.8/1.24	0.268	22.2
1x95	rm	1.1	1.2	1.8/1.24	0.153	23.9
1x120	rm	1.2	1.2	1.8/1.24	0.153	25.6
1x150	rm	1.4	1.2	1.8/1.24	0.124	27.4
1x185	rm	1.6	1.2	1.9/1.32	0.0991	30.1
1x240	rm	1.7	1.2	2.0/1.4	0.0754	32.9
1x300	rm	1.8	1.2	2.1/1.48	0.0601	36.0
2x2.5	ru	0.7	1.2	1.8/1.24	7.41	16.8
2x4	ru	0.7	1.2	1.8/1.24	4.61	17.7
2x6	ru	0.7	1.2	1.8/1.24	3.08	18.7
2x10	ru	0.7	1.2	1.8/1.24	1.83	20.3
2x16	ru	0.7	1.2	1.8/1.24	1.15	22.1
2x16	rm	0.7	1.2	1.8/1.24	1.15	22.9
2x25	rm	0.9	1.2	1.8/1.24	0.727	25.9
2x35	rm	0.9	1.2	1.9/1.32	0.524	28.1
2x50	rm	1.0	1.2	2.0/1.4	0.387	31.2
2x70	rm	1.1	1.2	2.2/1.56	0.268	36.3
2x95	rm	1.1	1.2	2.3/1.64	0.153	40.6
3x2.5	ru	0.7	1.2	1.8/1.24	7.41	17.2
3x4	ru	0.7	1.2	1.8/1.24	4.61	18.1

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		mm	mm	mm	Ω/km	mm
3x6	ru	0.7	1.2	1.8/1.24	3.08	19.1
3x10	ru	0.7	1.2	1.8/1.24	1.83	20.8
3x16	ru	0.7	1.2	1.8/1.24	1.15	22.7
3x25	rm	0.9	1.2	1.8/1.24	0.727	26.7
3x25+16	rm/ru	0.9/0.7	1.2	1.8/1.24	0.727;1.15	27.8
3x35	rm	0.9	1.2	1.8/1.24	0.524	29.4
3x35+16	rm/ru	0.9/0.7	1.2	1.8/1.24	0.524;1.15	31.0
3x50	sm	1.0	1.2	1.9/1.32	0.387	29.3
3x70	sm	1.1	1.2	2.1/1.48	0.268	33.0
3x95	sm	1.1	1.2	2.2/1.64	0.153	39.7
4x2.5	ru	0.7	1.2	1.8/1.24	7.41	18.1
4x4	ru	0.7	1.2	1.8/1.24	4.61	19.2
4x6	ru	0.7	1.2	1.8/1.24	3.08	20.4
4x10	ru	0.7	1.2	1.8/1.24	1.83	22.3
4x16	ru	0.7	1.2	1.8/1.24	1.15	24.5
4x16	rm	0.7	1.2	1.8/1.24	1.15	25.5
4x25	rm	0.9	1.2	1.8/1.24	0.727	29.3
4x35	rm	0.9	1.2	1.8/1.24	0.524	32.1
4x50	sm	1.0	1.2	2.0/1.48	0.387	33.9
4x70	sm	1.1	1.2	2.2/1.56	0.268	39.7
5x2.5	ru	0.7	1.2	1.8/1.24	7.41	19.1

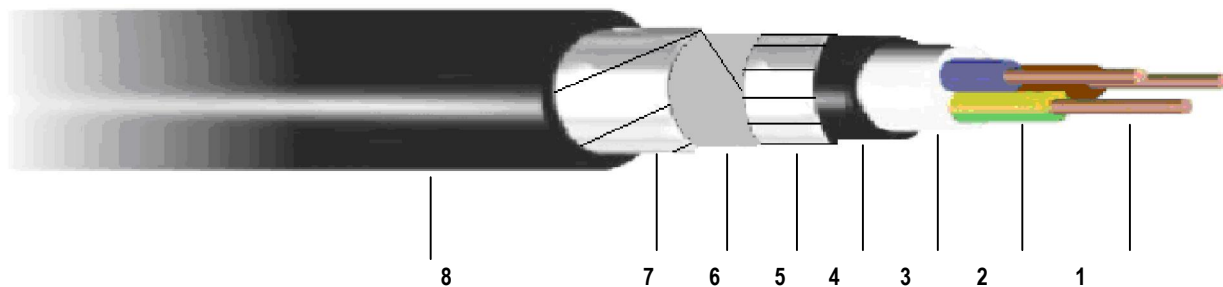
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5x35	rm	0.9	1.2	2.1/1.48	0.524	36.1

Forma constructiva



1	Conductoare rotunde, unifilare sau multifilare, din cupru	1	Solid or stranded conductors
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta interna	4	Inner sheath
5	Ecran din sarme de Al	5	Aluminum wires screen
6	Strat separator din PES	6	Plastic tape
7	Armatura din banda de otel sau otel zincat	7	Blank or zinc-plated cold-rolled steel tape
8	Manta exterioara	8	Outer sheath