

## CS2XEAIAbH , CS2XEAIAbzH 0.6/1 kV

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

*Screened - armored signal 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	
<b>Utilizare:</b> Cablurile se utilizeaza pentru comanda si semnalizare in instalatii electroenergetice si similare. Cablurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in tuneluri. La ardere cablurile nu degaja gaze toxice și corozive și au emisie redusa de fum.		<b>Applicability:</b> Control and transmittal of signals in power generation & supply facilities and similar The cables can be installed in open or confined areas, underground, in sewers, in concrete, in tunnels. During combustion they have low smoke emissions and do not release toxic or corrosive fumes.	
<b>Tensiune nominala U<sub>0</sub>/U</b>	0.6/1 kV	<b>Rated voltage U<sub>0</sub>/U</b>	0.6/1 kV
<b>Tensiune de incercare</b>	4 h :2.4 kV c.a sau 6 kV c.c 5 min: 3.5 kV c.a sau 8.4 kV c.c	<b>Test voltage</b>	4 h :2.4 kV ac or 6 kV dc 5 min: 3.5 kV ac or 8.5 kV dc
<b>Constanta rezistentei de izolatie</b>	90°C : min 3.67 MΩ*km	<b>Insulation resistance constant at</b>	90°C: min 3.67 MΩ*km
<b>Rezistenta de izolatie la 20°C</b>	Min 100 MΩ*km	<b>Insulation resistance at 20°C</b>	Min 100 MΩ*km
<b>Factor reductor la 200mV/m si 50 Hz</b>	max 0.7	<b>Reduction factor</b>	max 0.7
<b>Capacitate la 800 Hz</b>	Max 100 nF/km	<b>Capacity at 800 Hz</b>	Max 100 nF/km
<b>Temperatura minima de instalare pe cablu</b>	-5°C	<b>The minim temperature of de cable during installation</b>	-5°C
<b>Temperatura maxima de lucru</b>	+90°C	<b>Max.permissible operating temperature</b>	+90°C
<b>Temperatura maxima de scurt-circuit</b>	+250°C (max 5 sec)	<b>Max. short-circuit temperature</b>	+250°C (max 5 sec)
<b>Temperatura de utilizare normala</b>	-40°C ÷ +90°C	<b>Normal operational temperature range</b>	-40°C ÷ +90°C
<b>Temperatura minima de montaj</b>	-5°C	<b>Temperature during installation</b>	-5°C
<b>Temperatura masurata pe manta</b>	-10°C ÷ +70°C	<b>Temperature measured on the sheath</b>	-10°C ÷ +70°C
<b>Conformitate RoHS</b>	Da	<b>RoHS compliancy</b>	Yes
<b>Conformitate REACH</b>	Da	<b>REACH compliancy</b>	Yes
<b>Rezistenta la propagarea flacarii</b>	Cablurile sunt cu rezistenta la propagarea flacarii conf SR EN 60332-3-24/ cat. C	<b>Flame retardant</b>	Extra flame retardant cables, test according to SR EN 60332-3-24/ C category
<b>Conductor de cupru</b>	Conductor unifilar (ru), SR EN 60228	<b>Copper conductor</b>	Solid conductor (ru), SR EN 60228
<b>Izolatie</b>	Polietilena reticulata (XLPE)	<b>Insulation</b>	Cross-linked polyethylene (XLPE)
<b>Umplutura</b>	Material thermoplastic fara halogen	<b>Filling</b>	Halogen-free filler compound.
<b>Manta interioara</b>	Poliolefina fara halogen, tip HM4;	<b>Inner sheath</b>	Halogen-free polyolefin, HM4 type.
<b>Ecran</b>	Ecran din sarme de Al	<b>Screen</b>	Aluminum wires screen
<b>Armatura</b>	Banda laminata la rece nezincata (CS2XEALAb2H) sau zincata (CS2XEALAbz2H), de grosime min 0.2 mm	<b>Armor</b>	Blank (CS2XEALAb2Y) or galvanized cold-rolled steel tape (CS2XEALAbz2Y), min 0.2 mm thickness.

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<b>Manta exterioara</b>	<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 50267-2-2 (SR CEI 60754-2)          * pH <math>\geq</math> 4.3          *Conductivitatea <math>\leq</math> 100 <math>\mu</math>S.cm<sup>-1</sup>          Densitatea fumului ,conf SR EN 61034-2          transmitanta de lumina <math>\geq</math> (50-70)%</p>	<b>Outer sheath</b>	<p>Halogen-free polyolefin, HM4 type.          The cables are extra flame retardant according to EN 60332-3-24/ C category          Corrosivity of gases evolved          * pH <math>\geq</math> 4.3          * Conductivity: <math>\leq</math> 100 <math>\mu</math>S.cm<sup>-1</sup> according SR EN 50267-2-2 (SR CEI 60754-2)          Smoke density according SR EN 61034-2          Light permeability :<math>\geq</math> (50-70) %</p>
<b>Marcaj pe manta</b>	<p>SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, luna, an de fabricatie, marcaj de lungime          Exemplu de marcaj:          CS2XEALAb2H 37x1.5 mm<sup>2</sup> 0.6/1 kV ELECTROPLAST SA 01/2018 0000</p>	<b>Sheath marking</b>	<p>SC ELECTROPLAST SA, cable symbol, operational voltage, months, manufacturing year, length mark          Example:          CS2XEALAb2H 37x1.5 mm<sup>2</sup> 0.6/1 kV ELECTROPLAST SA 01/2018 0000</p>
<b>Raza minima de curbura la instalare</b>	Min. 12 x diametrul cablului	<b>Min. bending radius at installation</b>	Min. 12 x cable diameter
<b>Forta maxima de tractiune la pozare</b>	Max 50 N/mm <sup>2</sup>	<b>Max. tensile strain during installation</b>	Max 50 N/mm <sup>2</sup>
<b>Cod de culori</b>	<p>-In fiecare strat doua conductoare alaturate vor fi maro, albastru restul albe;          -conductoare negre numerotate</p>	<b>Color coding</b>	<p>-In each layer, two adjacent conductors will be brown, blue others white;          - numbered black conductors</p>

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Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Conductor type</i>	Grosime radiala izolatii <i>Insulation radial thickness</i>	Grosime radiala manta <i>Sheath radial thickness</i>		Diametru exterior inf <i>Outer diameter inf</i>	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i>	Masa inf <i>Mass inf</i>
			mm	mm			
			Int.	Ext.			
2x1	ru	0.7	0.8	1.4	14.1	18.1	223
2x1.5	ru	0.7	0.8	1.4	14.6	12.1	146
2x2.5	ru	0.7	0.8	1.4	15.4	7.41	288
2x4	ru	0.7	0.8	1.4	16.3	4.61	344
2x6	ru	0.7	0.8	1.4	17.3	3.08	416
3x1	ru	0.7	0.8	1.4	14.4	18.1	233
3x1.5	ru	0.7	0.8	1.4	14.9	12.1	260
3x2.5	ru	0.7	0.8	1.4	15.8	7.41	316
3x4	ru	0.7	0.8	1.4	16.8	4.61	383
3x6	ru	0.7	0.8	1.4	17.9	3.08	472
4x1	ru	0.7	0.8	1.4	15.1	18.1	272
4x1.5	re	0.7	0.8	1.4	15.7	12.1	304
4x2.5	ru	0.7	0.8	1.4	16.7	7.41	366
4x4	ru	0.7	0.8	1.4	17.8	4.61	456
4x6	ru	0.7	0.8	1.4	19.0	3.08	568
5x1	ru	0.7	0.8	1.4	15.8	18.1	303
5x1.5	ru	0.7	0.8	1.4	16.5	12.1	342
5x2.5	ru	0.7	0.8	1.4	17.6	7.41	423
5x4	ru	0.7	0.8	1.4	18.8	4.61	522
5x6	ru	0.7	0.8	1.4	20.2	3.08	663
7x1	ru	0.7	0.8	1.4	16.7	18.1	318
7x1.5	ru	0.7	0.8	1.4	17.4	12.1	369
7x2.5	ru	0.7	0.8	1.4	18.6	7.41	461
7x4	ru	0.7	0.8	1.4	20.0	4.61	584
7x6	ru	0.7	0.8	1.4	21.6	3.08	750
9x1	ru	0.7	0.8	1.4	18.9	18.1	398
9x1.5	ru	0.7	0.8	1.4	19.9	12.1	452
9x2.5	ru	0.7	0.8	1.4	21.4	7.41	575
12x1	ru	0.7	0.8	1.4	19.6	18.1	472
12x1.5	ru	0.7	0.8	1.4	20.6	12.1	526
12x2.5	ru	0.7	1.0	1.8	22.3	7.41	679
14x1	ru	0.7	0.8	1.4	20.3	18.1	491
14x1.5	ru	0.7	0.8	1.4	21.4	12.1	575
14x2.5	ru	0.7	1.0	1.8	23.1	7.41	748
16x1	ru	0.7	0.8	1.4	21.0	18.1	531
16x1.5	ru	0.7	0.8	1.8	22.2	12.1	631
16x2.5	ru	0.7	1.0	1.8	25.2	7.41	844
19x1	ru	0.7	0.8	1.4	21.8	18.1	591
19x1.5	ru	0.7	1.0	1.8	23.0	12.1	698
19x2.5	ru	0.7	1.0	1.8	26.2	7.41	949
21x1	ru	0.7	1.0	1.8	25.5	18.1	688
21x1.5	ru	0.7	1.0	1.8	27.0	12.1	813
21x2.5	ru	0.7	1.0	1.8	29.4	7.41	1069
24x1	ru	0.7	1.0	1.8	25.5	18.1	728

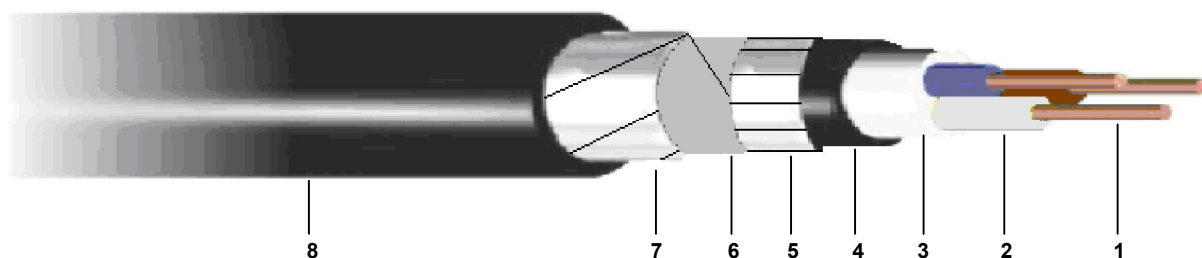
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			Int.	Ext.			
		mm			mm	Ω/km	kg/km
24x1.5	ru	0.7	1.0	1.8	27.0	12.1	866
24x2.5	ru	0.7	1.0	1.8	29.4	7.41	1152
27x1	ru	0.7	1.0	1.8	25.9	18.1	778
27x1.5	ru	0.7	1.0	1.8	27.4	12.1	930
27x2.5	ru	0.7	1.0	1.8	29.9	7.41	1245
30x1	ru	0.7	1.0	1.8	26.5	18.1	831
30x1.5	ru	0.7	1.0	1.8	28.1	12.1	998
30x2.5	ru	0.7	1.0	2.2	30.7	7.41	1349
33x1	ru	0.7	1.0	1.8	27.3	18.1	891
33x1.5	ru	0.7	1.0	1.8	28.9	12.1	1072
33x2.5	ru	0.7	1.0	2.2	31.6	7.41	1453
37x1	ru	0.7	1.0	1.8	28.0	18.1	959
37x1.5	ru	0.7	1.0	1.8	29.8	12.1	1157
37x2.5	ru	0.7	1.0	1.8	32.6	7.41	1580
42x1	ru	0.7	1.0	1.8	30.5	12.1	1084
42x1.5	ru	0.7	1.0	1.8	32.8	7.41	1360
48x1	ru	0.7	1.0	1.8	30.9	18.1	1168
48x1.5	ru	0.7	1.0	1.8	33.3	12.1	1475
52x1	ru	0.7	1.0	1.8	31.6	18.1	1241
52x1.5	ru	0.7	1.0	2.2	33.7	12.1	1508
56x1	ru	0.7	1.0	2.2	32.3	18.1	1308
56x1.5	ru	0.7	1.0	2.2	34.5	12.1	1600
61x1	ru	0.7	1.0	2.2	33.1	18.1	1389
61x1.5	ru	0.7	1.0	2.2	36.1	12.1	1703

### Forma constructiva



1	Conductoare rotunde, unifilare, din cupru	1	Solid copper conductors
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler or plastic tape
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 galvanized cold-rolled steel tape
8	Manta exterioara	8	Outer sheath