

Cablu de semnalizare armat, cu izolatie si manta fara halogen cu rezistenta marita la propagarea flacarii

Armored signal cable, and halogen free sheath (Low Smoke Zero Halogens)

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

CARACTERISTICI		CHARACTERISTICS	
Utilizare: 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 corosive și au emisie redusa de fum .		Applicability: 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. The cables do not release toxic or corrosive fumes during combustions and have low smoke	
Tensiune nominala U₀/U	0.6/1 kV	Rated voltage U₀/U	0.6/1 kV
Tensiune de incercare	4 h :2.4 kV c.a sau 6 kV c.c 5 min : 3.5 kV c.a sau 8.5 kV c.c	Test voltage	4 h :2.4 kV ac or 6 kV dc 5 min : 3.5 kV ac or 8.5 kV dc
Constanta rezistentei de izolatie	90°C : min 3.67 MΩ*km	Insulation resistance constant at	90°C : min 3.67 MΩ*km
Rezistenta de izolatie la 20 °C	Min 100 MΩ*km	Insulation resistance at 20 °C	Min 100 MΩ*km
Capacitate la 800 Hz	Max 100 nF/km	Capacity at 800 Hz	Max 100 nF/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.permissible operating temperature	+90°C
Temperatura maxima de scurt-circuit	+250°C(max 5sec)	Max. short-circuit temperature	+250°C(max 5sec)
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 + +70°C	Temperature measured on the sheath	-10°C + +70°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	Cables are flame retardant according SR EN 60332-3-24/ Cat. C
Conductor de cupru	Conductor unifilar (ru), SR EN 60228	Copper conductor	Solid conductor (ru), SR EN 60228
Izolatie	Polietilena reticulata	Insulation	Cross-linked polyethylene XLPE
Umplutura	Material thermoplastic fara halogen	Filling	Halogen-free plastic
Manta interioara	Poliiolefina fara halogen, tip HM4;	Inner sheath	Halogen-free polyolefine, HM4 type.
Armatura	Banda de otel laminata la rece nezincata (CS2XAbH, sau zincata (CS2XAbzH) ,de grosime 0.2 mm	Armor	Blank (CS2XAbH) or zinc-plated cold-rolled (CS2XAbzH) steel tape 0.2 mm thick.
Manta exterioara	Poliiolefina fara halogen, tip HM4; Cabluri sunt cu intarziere marita la propagarea flacarii conf SR EN 60332-3-24/cat C Corazivitatea gazelor de ardere conf SR EN 60754-2 pH ≥ 4.3 Conductivitatea ≤ 10 μS/mm Densitatea fumului ,conf SR EN 61034-2 transmitanta de lumina ≥ (50-70) %	Outer sheath	Halogen-free polyolefine, HM4 type. The cables are extra flame retardant according to SR EN 60332-3-24/ Category C Corrosivity of gases evolved according SR EN 60754-2 pH ≥ 4.3 Conductivity: ≤ 10 μS/mm 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 : CS2XAbH 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/2018 0000	Sheath marking	SC ELECTROPLAST SA , cable symbol , operational voltage, months ,year of manufacture , mark length Example: CS2XAbH 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/0018 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	-In fiecare strat doua conductoare alaturate vor fi maro, albastru restul albe -conductoare negre numerotate	Color coding	-In each layer, two adjacent conductors will be brown, blue others white ; - black conductors

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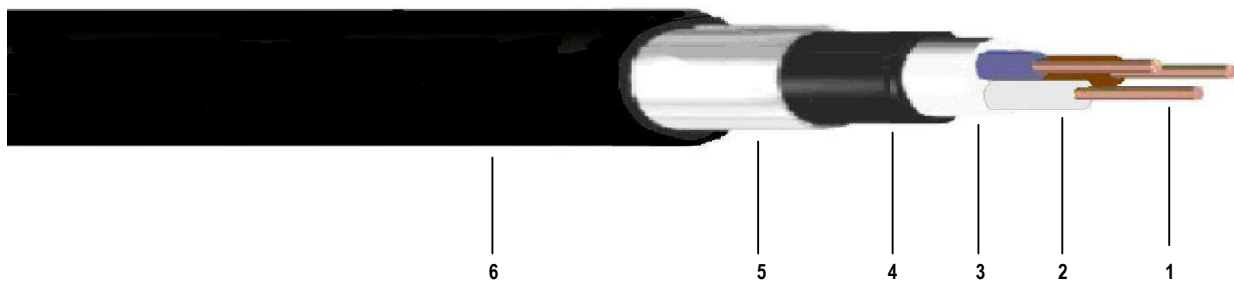
Tipodimensiune cablu Cable size	Tip conductor Conductor type	Grosime radiala izolatie Insulation radial thickness mm	Grosime radiala manta Sheath radial thickness mm		Diametru exterior inf Outer diameter inf mm	Rezistenta electrica, max la 20°C Max. resistance at 20°C Ω/km	Masa inf Mass inf kg/km
			Int.	Ext.			
2x0.75	ru	0.7	0.8	1.4	9.3	24.5	120
2x1	ru	0.7	0.8	1.4	13.7	18.1	142
2x1.5	ru	0.7	0.8	1.4	14.5	12.1	171
2x2.5	ru	0.7	0.8	1.4	15.3	7.41	209
2x4	ru	0.7	0.8	1.4	16.6	4.61	269
2x6	ru	0.7	0.8	1.4	17.7	3.08	331
3x0.75	ru	0.7	0.8	1.4	9.5	24.5	128
3x1	ru	0.7	0.8	1.4	14.0	18.1	153
3x1.5	ru	0.7	0.8	1.4	14.9	12.1	186
3x2.5	ru	0.7	0.8	1.4	15.7	7.41	232
3x4	ru	0.7	0.8	1.4	17.2	4.61	303
3x6	ru	0.7	0.8	1.4	18.3	3.08	381
4x0.75	ru	0.7	0.8	1.4	10.1	24.5	150
4x1	ru	0.7	0.8	1.4	14.6	18.1	180
4x1.5	ru	0.7	0.8	1.4	15.6	12.1	221
4x2.5	ru	0.7	0.8	1.4	16.6	7.41	281
4x4	ru	0.7	0.8	1.4	18.2	4.61	372
4x6	ru	0.7	0.8	1.4	19.5	3.08	473
5x0.75	ru	0.7	0.8	1.4	10.7	24.5	169
5x1	ru	0.7	0.8	1.4	15.3	18.1	206
5x1.5	ru	0.7	0.8	1.4	16.4	12.1	255
5x2.5	ru	0.7	0.8	1.4	17.5	7.41	328
5x4	ru	0.7	0.8	1.4	19.3	4.61	439
5x6	ru	0.7	0.8	1.4	20.8	3.08	577
7x0.75	ru	0.7	0.8	1.4	11.4	24.5	180
7x1	ru	0.7	0.8	1.4	16.0	18.1	219
7x1.5	ru	0.7	0.8	1.4	17.3	12.1	273
7x2.5	ru	0.7	0.8	1.4	18.5	7.41	358
7x4	ru	0.7	0.8	1.4	20.4	4.61	483
7x6	ru	0.7	0.8	1.4	22.1	3.08	637
9x0.75	ru	0.7	0.8	1.4	13.1	24.5	223
9x1	ru	0.7	0.8	1.4	18.0	18.1	273
9x1.5	ru	0.7	0.8	1.4	19.6	12.1	340
9x2.5	ru	0.7	0.8	1.4	21.2	7.41	449
12x0.75	ru	0.7	0.8	1.4	13.7	24.5	259
12x1	ru	0.7	0.8	1.4	18.7	18.1	321
12x1.5	ru	0.7	0.8	1.4	20.4	12.1	407
12x2.5	ru	0.7	1.0	1.8	22.1	7.41	548
14x0.75	ru	0.7	0.8	1.4	14.2	24.5	284
14x1	ru	0.7	0.8	1.4	19.3	18.1	354
14x1.5	ru	0.7	0.8	1.4	21.1	12.1	452
14x2.5	ru	0.7	0.8	1.4	23.7	7.41	614
16x0.75	ru	0.7	0.8	1.4	14.7	24.5	310
16x1	ru	0.7	0.8	1.4	20.0	18.1	388
16x1.5	ru	0.7	0.8	1.4	21.9	12.1	499
16x2.5	ru	0.7	1.0	1.4	25.0	7.41	697
19x0.75	ru	0.7	0.8	1.4	15.3	24.5	346
19x1	ru	0.7	0.8	1.4	20.0	18.1	436
19x1.5	ru	0.7	1.0	1.4	22.7	12.1	564
19x2.5	ru	0.7	1.0	1.4	26.0	7.41	794
21x0.75	ru	0.7	1.0	1.4	17.3	24.5	392
21x1	ru	0.7	1.0	1.8	23.8	18.1	494
21x1.5	ru	0.7	1.0	1.8	26.7	12.1	654
21x2.5	ru	0.7	1.0	1.8	29.1	7.41	926
24x0.75	ru	0.7	0.8	1.4	17.3	24.5	420
24x1	ru	0.7	1.0	1.8	23.8	18.1	531
24x1.5	ru	0.7	1.0	1.8	26.7	12.1	707
24x2.5	ru	0.7	1.0	1.8	29.1	7.41	1009
27x0.75	ru	0.7	0.8	1.4	17.6	24.5	452
27x1	ru	0.7	1.0	1.8	24.1	18.1	574
27x1.5	ru	0.7	1.0	1.8	27.1	12.1	767

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Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Conductor type</i>	Grosime radiala izolatie <i>Insulation radial thickness</i>	Grosime radiala manta		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>
			Int.	Ext.			
		mm	mm		mm	Ω/km	kg/km
27x2.5	ru	0.7	1.0	1.8	29.6	7.41	1009
30x0.75	ru	0.7	0.8	1.4	18.1	24.5	487
30x1	ru	0.7	1.0	1.8	25.1	18.1	635
30x1.5	ru	0.7	1.0	1.8	27.8	12.1	860
30x2.5	ru	0.7	1.0	1.8	30.4	7.41	1194
33x0.75	ru	0.7	0.8	1.4	18.7	24.5	522
33x1	ru	0.7	1.0	1.4	25.8	18.1	684
33x1.5	ru	0.7	1.0	1.8	28.6	12.1	926
33x2.5	ru	0.7	1.0	1.8	31.6	7.41	1292
37x0.75	ru	0.7	0.8	1.4	19.3	24.5	567
37x1	ru	0.7	1.0	1.4	26.5	18.1	744
37x1.5	ru	0.7	1.0	1.8	29.5	12.1	1010
37x2.5	ru	0.7	1.0	2.2	33.8	7.41	1417
42x0.75	ru	0.7	1.0	1.4	21.7	24.5	657
42x1	ru	0.7	1.0	1.8	28.8	12.1	872
42x1.5	ru	0.7	1.0	1.8	32.5	7.41	1143
48x0.75	ru	0.7	1.0	1.8	22.0	24.5	717
48x1	ru	0.7	1.0	1.8	29.2	18.1	953
48x1.5	ru	0.7	1.0	1.8	32.9	12.1	1256
52x0.75	ru	0.7	1.0	1.4	22.5	24.5	760
52x1	ru	0.7	1.0	1.8	29.8	18.1	1013
52x1.5	ru	0.7	1.2	1.8	34.1	12.1	1360
56x0.75	ru	0.7	1.0	1.8	23.8	24.5	835
56x1	ru	0.7	1.0	1.8	31.3	18.1	1074
56x1.5	ru	0.7	1.2	1.8	34.9	12.1	1440
61x0.75	ru	0.7	1.0	1.8	24.4	24.5	890
61x1	ru	0.7	1.0	1.8	32.0	18.1	1168
61x1.5	ru	0.7	1.2	2.2	35.8	12.1	1586

Forma constructiva



1	Conductoare rotunde, unifilare, din cupru	1	Multi wire solid copper conductors
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta interna	4	Inner sheath
5	Armatura din banda de otel sau otel zincat	5	Blank or zinc-plated cold-rolled tape
6	Manta exterioara	6	Outer sheath