

Cablu de semnalizare armat, cu izolatie de PVC si manta de polietilena

Armored signal cable, PVC insulated and PE sheathed

Standard	Aprobari / Approvals	Ambalaru / Packaging	
ST 164: 2014; Standard de referinta: SR CEI 60502-1	Certificat de omologare tehnica feroviara Nr 26,27/2016, AFER Buc Railway Technical Approval Certificate Nr 26,27/2016, AFER Buc Romania	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 beton Cablurile sunt cu ruzistenta la UV		Applicability: Control and transmittal of signals in power generation & supply facilities and similars The cables can be installed in open or confined areas, underground, in sewers, in concrete. UV resistant cables.	
Tensiune nominala U₀/U	0.6/1 kV	Rated voltage U₀/U	0.6/1 kV
Tensiune de incercare	4 h :1.8 kV c.a sau 3.6 kV c.c 1 min : 4 kV c.a sau 8 kV c.c	Test voltage	4 h :1.8 kV c.a sau 3.6 kV d.c 1 min : 4 kV c.a sau 8 kV d.c
Rezistivitatea de volum la -20°C -70°C	- min 1*10 ¹³ Ω*cm - min 1*10 ¹⁰ Ω*cm	Volume resistivity at -20 ° C -70 ° C	- min 1*10 ¹³ Ω*cm - min 1*10 ¹⁰ Ω*cm
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 minimum cable temperature during installation	-5°C
Temperatura maxima de lucru	+70°C	Max. permissible operating temperature	+70°C
Temperatura maxima de scurt-circuit	+160°C (max 5sec)	Max. short-circuit temperature	+160°C (max 5sec)
Temperatura de utilizare normala	-40°C ÷ +70°C	Normal operational temperature range	-40°C ÷ +70°C
Temperatura masurata pe manta	-10°C ÷ +70°C	Temperature measured on the sheath surface	-10°C ÷ +70°C
Conformitate RoHS	Da	RoHS compliancy	Yes
Conformitate REACH	Da	REACH compliancy	Yes
Conductor de cupru	Conductor unifilar (ru), SR EN 60228	Copper conductor	Solid conductor (ru), SR EN 60228
Izolatie	PVC	Insulation	PVC
Umplutura	PVC sau benzi din material plastic	Filling	PVC or plastic tape
Manta interioara	Polietilena	Inner sheath	PE black
Armatura	Banda de otel laminata la rece nezincata (CSYAb2Y) sau zincata (CSYAbz2Y), de grosime 0.2 mm	Armor	Blank (CSYAb2Y) or galvanized cold-rolled (CSYAbz2Y) steel tape 0.2 mm thickness.

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Manta exterioara	Polietilena de culoaru neagra	Outer sheath	PE black (CS2YAb2Y, CS2YAbz2Y)
Marcaj pe manta	SC ELECTROPLAST SA ,simbol cablu, tensiune de lucru, luna, an de fabricatie, marcaj de lungime Exemplu de marcaj: CSYAb2Y-Fr1 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/2015 0030	Sheath marking	SC ELECTROPLAST SA, cable symbol, operational voltage, months ,manufacturing year, length mark Example: CSYAb2Y-Fr1 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/2015 0030
Raza minima de curbura la instalare	Min. 10x diametrul cablului	Min. bending radius at installation	Min. 10 x cable diameter
Forta maxima de tractiune la pozaru	Max 50 N/mm ²	Max. tensile strain during installation	Max 50 N/mm ²
Cod de culori	Conf. ST 164 :2014	Color coding	According ST 164 :2014

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Conductor type</i>	Grosime radiala izolatie <i>Insulation radial thickness</i>	Grosime radiala manta <i>Sheath radial thickness</i>		Diametru exterior nominal <i>Nominal outer diameter</i>	Ruzistenta electrica, max la 20°C <i>Max. rusistance at 20°C</i>	Masa inf <i>Mass inf</i>
			mm	mm			
			Int.	Ext .		Ω/km	kg/km
2x1	ru	0.8	0.8	1.4	10.9	18.1	166
2x1.5	ru	0.8	0.8	1.4	11.5	12.1	188
2x2.5	ru	0.8	0.8	1.4	12.3	7.41	240
2x4	ru	1.0	0.8	1.4	14.0	4.61	309
2x6	ru	1.0	0.8	1.4	15.2	3.08	373
3x1	ru	0.8	0.8	1.4	11.3	18.1	181
3x1.5	ru	0.8	0.8	1.4	11.9	12.1	207
3x2.5	ru	0.8	0.8	1.4	12.8	7.41	268
3x4	ru	1.0	0.8	1.4	14.7	4.61	351
3x6	ru	1.0	0.8	1.4	16.0	3.08	431
4x1	ru	0.8	0.8	1.4	12.0	18.1	215
4x1.5	ru	0.8	0.8	1.4	12.7	12.1	249
4x2.5	ru	0.8	0.8	1.4	13.7	7.41	327
4x4	ru	1.0	0.8	1.4	15.8	4.61	433
4x6	ru	1.0	0.8	1.4	17.2	3.08	538
5x1	ru	0.8	0.8	1.4	12.8	18.1	248
5x1.5	ru	0.8	0.8	1.4	13.5	12.1	289
5x2.5	ru	0.8	0.8	1.4	14.6	7.41	391
5x4	ru	1.0	0.8	1.4	17.0	4.61	525
5x6	ru	1.0	0.8	1.4	18.6	3.08	650
7x1	ru	0.8	0.8	1.4	13.6	18.1	290
7x1.5	ru	0.8	0.8	1.4	14.4	12.1	342
7x2.5	ru	0.8	0.8	1.4	15.6	7.41	461
7x4	ru	1.0	0.8	1.4	18.3	4.61	625
7x6	ru	1.0	0.8	1.4	20.0	3.08	804
9x1	ru	0.8	0.8	1.4	16.2	18.1	328
9x1.5	ru	0.8	0.8	1.4	17.2	12.1	389
9x2.5	ru	0.8	0.8	1.4	18.7	7.41	525
9x4	ru	1.0	0.8	1.4	22.1	4.61	715
9x6	ru	1.0	0.8	1.4	24.2	3.08	943
12x1	ru	0.8	0.8	1.4	17.2	18.1	391

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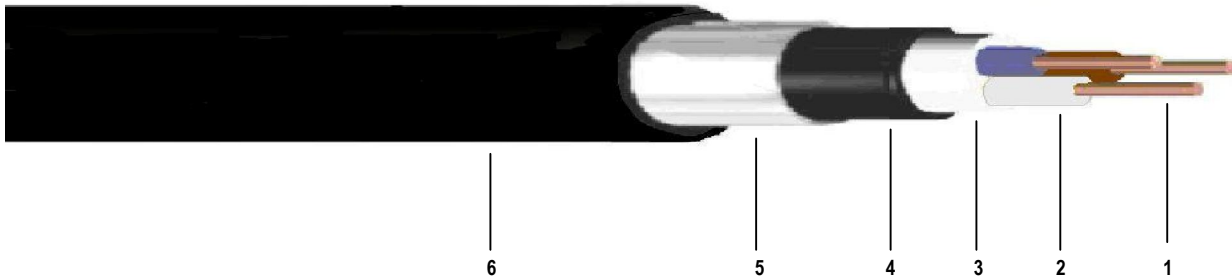
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Tipodimensiune cablu Cable size	Tip conductor Conductor type	Grosime radiala izolatii Insulation radial thickness mm	Grosime radiala manta Sheath radial thickness mm		Diametru exterior nominal Nominal outer diameter mm	Ruzistenta electrica, max la 20°C Max. rusistance at 20°C Ω/km	Masa inf Mass inf kg/km
			Int.	Ext .			
12x1.5	ru	0.8	0.8	1.4	18.3	12.1	470
12x2.5	ru	0.8	0.8	1.4	20.0	7.41	641
12x4	ru	1.0	0.8	1.8	24.4	4.61	918
14x1	ru	0.8	0.8	1.4	17.8	18.1	435
14x1.5	ru	0.8	0.8	1.4	19.0	12.1	524
14x2.5	ru	0.8	0.8	1.4	20.8	7.41	724
16x1	ru	0.8	0.8	1.4	18.6	18.1	479
16x1.5	ru	0.8	0.8	1.4	19.9	12.1	585
16x2.5	ru	0.8	1.0	1.4	22.2	7.41	830
19x1	ru	0.8	0.8	1.4	19.5	18.1	540
19x1.5	ru	0.8	0.8	1.4	20.8	12.1	658
19x2.5	ru	0.8	1.0	1.4	23.2	7.41	939
21x1	ru	0.8	1.0	1.4	22.6	18.1	627
21x1.5	ru	0.8	1.0	1.8	25.0	12.1	790
21x2.5	ru	0.8	1.0	1.8	27.4	7.41	1092
24x1	ru	0.8	1.0	1.4	22.6	18.1	678
24x1.5	ru	0.8	1.0	1.8	25.0	12.1	857
24x2.5	ru	0.8	1.0	1.8	27.4	7.41	1193
27x1	ru	0.8	1.0	1.8	23.8	18.1	762
27x1.5	ru	0.8	1.0	1.8	25.4	12.1	930
27x2.5	ru	0.8	1.0	1.8	27.9	7.41	1303
30x1	ru	0.8	1.0	1.8	24.5	18.1	824
30x1.5	ru	0.8	1.0	1.8	26.2	12.1	1008
30x2.5	ru	0.8	1.0	1.8	28.8	7.41	1419
33x1	ru	0.8	1.0	1.8	25.3	18.1	886
33x1.5	ru	0.8	1.0	1.8	27.1	12.1	1093
33x2.5	ru	0.8	1.0	1.8	29.7	7.41	1544
37x1	ru	0.8	1.0	1.8	26.1	18.1	966
37x1.5	ru	0.8	1.0	1.8	28.0	12.1	1190
37x2.5	ru	0.8	1.0	1.8	30.8	7.41	1544
42x1	ru	0.8	1.0	1.8	28.8	18.1	1092
42x1.5	ru	0.8	1.0	1.8	30.8	12.1	1347
48x1	ru	0.8	1.0	1.8	29.3	18.1	1199
48x1.5	ru	0.8	1.0	1.8	31.3	12.1	1486
52x1	ru	0.8	1.0	1.8	30.0	18.1	1277
52x1.5	ru	0.8	1.2	1.8	32.5	12.1	1608
56x1	ru	0.8	1.0	1.8	30.8	18.1	1356
56x1.5	ru	0.8	1.2	1.8	33.3	12.1	1716
61x1	ru	0.8	1.2	1.8	32.0	18.1	1474
61x1.5	ru	0.8	1.2	2.2	35.0	12.1	1877

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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
4	Manta interna	4	Inner sheath
5	Armatura din banda de otel sau otel zincat	5	Blank or galvanized cold-rolled steel tape
6	Manta exterioara	6	Outer sheath