

Standard	Aprobări / Approvals	Ambalare / Packaging
ST164: 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

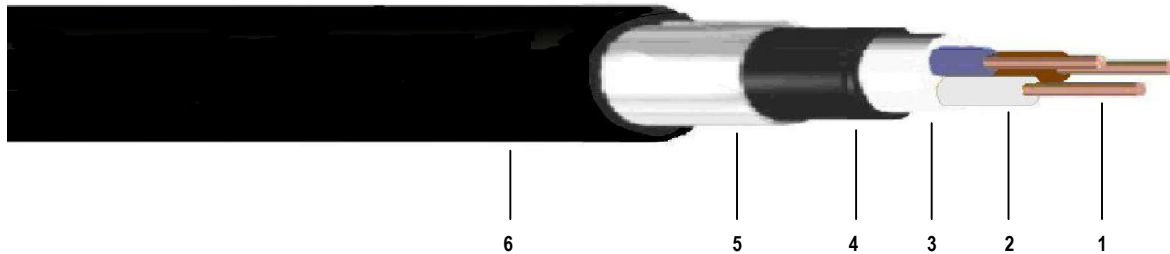
CARACTERISTICI		CHARACTERISTICS	
Utilizare: Cabluurile se utilizeaza pentru comanda si semnalizare in instalatii electroenergetice si similare Cabluurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in beton Cabluurile sunt cu rezistenta la UV		Applicability: Control and transmittal of signals in power generation & supply facilities and similar The cables can be installed in open or confined areas, underground, in sewers, in concrete UV resistant cables	
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
Rezistivitatea de volum la 20°C	1x10 ¹⁵ Ω*cm	Volume resistivity at 20°C	1x10 ¹⁵ 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 minim temperature of de cable during installation	-5°C
Temperatura maxima de lucru	+70°C	Max.permissible operating temperature	+70°C
Temperatura maxima de scurt-circuit	+130°C (max 5sec)	Max. short-circuit temperature	+130°C (max 5sec)
Temperatura de utilizare normala	-40°C ÷ +70°C	Normal operational temperature range	-40°C ÷ +70°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	Cabluurile tip CS2YAb2Y-Fr1 sunt cu rezistenta la propagarea flacarii conf. SR EN 60332-1-2 Cabluurile tip CS2YAb2Y-Fr3 sunt cu rezistenta la propagarea flacarii conf. SR EN 60332-3-24/ cat.C	Flame retardant	CS2YAb2Y- FR1 - cables are flame retardant according to SR EN 60332-1-2 CS2YAb2Y- FR3 - cables are flame retardant according to SR EN 60332-3-24/ Cat. C
Conductor de cupru	Conductor unifilar (ru), SR EN 60228	Copper conductor	Solid conductor (re), SR EN 60228
Izolatie	Polietilena	Insulation	Polyethylene (PE)
Umplutura	PVC sau benzi din material plastic	Filling	PVC or plastic tape
Manta interioara	Polietilena	Inner sheath	Polyethylene (PE), black
Armatura	Banda de otel laminata la rece nezincata (CS2YAb2Y, sau zincata (CS2YAbz2Y), de grosime 0.2 mm	Armor	Blank (CS2YAb2Y) or zinc-plated cold-rolled (CS2YAbz2Y) steel tape 0.2 mm thickness.

Manta exterioara	Polietilena de culoare neagra	Outer sheath	Polyethylene (PE), black
Marcaj pe manta	SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, luna, an de fabricatie, marcaj de lungime Exemplu de marcaj: CS2YAb2Y 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/2015 0000	Sheath marking	SC ELECTROPLAST SA, cable symbol, operational voltage, month's , year of manufacture, length mark Example: CS2YAb2Y 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/0015 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. ST 164: 2014	Color coding	According to ST 164: 2014

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	0.5	0.8	1.4	9.3	24.5	102
2x1	ru	0.6	0.8	1.4	10.0	18.1	142
2x1.5	ru	0.7	0.8	1.4	10.9	12.1	171
2x2.5	ru	0.7	0.8	1.4	11.6	7.41	209
2x4	ru	0.8	0.8	1.4	12.9	4.61	269
2x6	ru	0.8	0.8	1.4	13.9	3.08	331
3x0.75	ru	0.5	0.8	1.4	9.5	24.5	128
3x1	ru	0.6	0.8	1.4	10.2	18.1	153
3x1.5	ru	0.7	0.8	1.4	11.2	12.1	186
3x2.5	ru	0.7	0.8	1.4	12.0	7.41	232
3x4	ru	0.8	0.8	1.4	13.3	4.61	303
3x6	ru	0.8	0.8	1.4	14.4	3.08	381
4x0.75	ru	0.5	0.8	1.4	10.1	24.5	150
4x1	ru	0.6	0.8	1.4	11.0	18.1	180
4x1.5	ru	0.7	0.8	1.4	12.0	12.1	221
4x2.5	ru	0.7	0.8	1.4	13.0	7.41	281
4x4	ru	0.8	0.8	1.4	14.5	4.61	372
4x6	ru	0.8	0.8	1.4	15.7	3.08	473
5x0.75	ru	0.5	0.8	1.4	10.7	24.5	169
5x1	ru	0.6	0.8	1.4	11.6	18.1	206
5x1.5	ru	0.7	0.8	1.4	12.8	12.1	255
5x2.5	ru	0.7	0.8	1.4	13.9	7.41	328
5x4	ru	0.8	0.8	1.4	15.6	4.61	439
5x6	ru	0.8	0.8	1.4	16.9	3.08	577
7x0.75	ru	0.5	0.8	1.4	11.4	24.5	180
7x1	ru	0.6	0.8	1.4	12.4	18.1	219
7x1.5	ru	0.7	0.8	1.4	13.8	12.1	273
7x2.5	ru	0.7	0.8	1.4	14.9	7.41	358
7x4	ru	0.8	0.8	1.4	16.8	4.61	483
7x6	ru	0.8	0.8	1.4	18.3	3.08	637
9x0.75	ru	0.5	0.8	1.4	13.1	24.5	223
9x1	ru	0.6	0.8	1.4	14.5	18.1	273
9x1.5	ru	0.7	0.8	1.4	16.2	12.1	340
9x2.5	ru	0.7	0.8	1.4	17.7	7.41	449
9x4	ru	0.8	0.8	1.4	20.1	4.61	483
9x6	ru	0.8	0.8	1.4	22.1	3.08	637
12x0.75	ru	0.5	0.8	1.4	13.7	24.5	259
12x1	ru	0.6	0.8	1.4	15.2	18.1	321
12x1.5	ru	0.7	0.8	1.4	17.0	12.1	407
12x2.5	ru	0.7	0.8	1.4	18.6	7.41	548
12x4	ru	0.8	0.8	1.4	21.2	4.61	483
14x0.75	ru	0.5	0.8	1.4	14.2	24.5	284
14x1	ru	0.6	0.8	1.4	15.7	18.1	354
14x1.5	ru	0.7	0.8	1.4	17.7	12.1	452
14x2.5	ru	0.7	0.8	1.4	19.4	7.41	614
16x0.75	ru	0.5	0.8	1.4	14.7	24.5	310

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.			
			16x1	ru			
16x1.5	ru	0.7	0.8	1.4	18.5	12.1	499
16x2.5	ru	0.7	1.0	1.4	20.7	7.41	697
19x1	ru	0.6	0.8	1.4	17.1	18.1	436
19x1.5	ru	0.7	0.8	1.4	19.3	12.1	564
19x2.5	ru	0.7	1.0	1.4	21.6	7.41	794
21x0.75	ru	0.5	1.0	1.4	17.3	24.5	392
21x1	ru	0.6	0.8	1.4	17.8	18.1	494
21x1.5	ru	0.7	1.0	1.4	20.6	12.1	654
21x2.5	ru	0.7	1.0	1.8	23.4	7.41	926
24x0.75	ru	0.5	0.8	1.4	17.3	24.5	420
24x1	ru	0.6	0.8	1.4	19.5	18.1	531
24x1.5	ru	0.7	1.0	1.4	22.5	12.1	707
24x2.5	ru	0.7	1.0	1.8	25.6	7.41	1009
27x0.75	ru	0.5	0.8	1.4	17.6	24.5	452
27x1	ru	0.6	0.8	1.4	19.8	18.1	574
27x1.5	ru	0.7	1.0	1.4	22.9	12.1	767
27x2.5	ru	0.7	1.0	1.8	26.1	7.41	1009
30x0.75	ru	0.5	0.8	1.4	18.1	24.5	487
30x1	ru	0.6	1.0	1.8	20.8	18.1	635
30x1.5	ru	0.7	1.0	1.8	24.4	12.1	860
30x2.5	ru	0.7	1.0	1.8	26.9	7.41	1194
33x0.75	ru	0.5	0.8	1.4	18.7	24.5	522
33x1	ru	0.6	1.0	1.4	21.5	18.1	684
33x1.5	ru	0.7	1.0	1.8	25.2	12.1	926
33x2.5	ru	0.7	1.0	1.8	27.8	7.41	1292
37x0.75	ru	0.5	0.8	1.4	19.3	24.5	567
37x1	ru	0.6	1.0	1.4	22.1	18.1	744
37x1.5	ru	0.7	1.0	1.8	26.1	12.1	1010
37x2.5	ru	0.7	1.0	1.8	28.7	7.41	1417
42x0.75	ru	0.5	1.0	1.4	21.7	24.5	657
42x1	ru	0.6	1.0	1.8	25.3	12.1	872
42x1.5	ru	0.7	1.0	1.8	28.9	7.41	1143
48x0.75	ru	0.5	1.0	1.8	22.0	24.5	717
48x1	ru	0.6	1.0	1.8	25.7	18.1	953
48x1.5	ru	0.7	1.0	1.8	29.3	12.1	1256
52x0.75	ru	0.5	1.0	1.4	22.5	24.5	760
52x1	ru	0.6	1.0	1.8	26.3	18.1	1013
52x1.5	ru	0.7	1.2	1.8	30.4	12.1	1360
56x0.75	ru	0.5	1.0	1.8	23.8	24.5	835
56x1	ru	0.6	1.0	1.8	27.0	18.1	1074
56x1.5	ru	0.7	1.2	1.8	31.2	12.1	1440
61x0.75	ru	0.5	1.0	1.8	24.4	24.5	890
61x1	ru	0.6	1.0	1.8	28.1	18.1	1168
61x1.5	ru	0.7	1.2	2.2	32.8	12.1	1586

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 zinc-plated cold-rolled steel tape
6	Manta exterioara	6	Outer sheath