

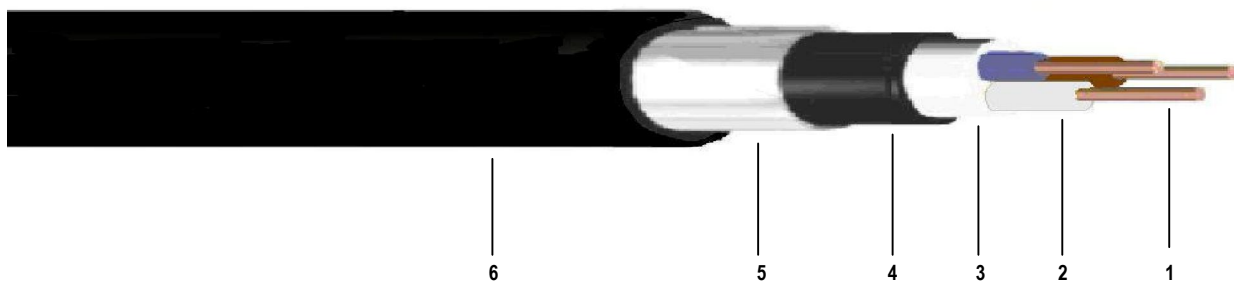
Standard	Aprobari / Approvals	Ambalare / Packaging
ST 164:2014; Standard de referinta: SR CEI 60502-1	Certificat de omologare tehnica feroviara Nr 26, 27/2016, AFER Buc Railway Technical Approval Certificate Nr. 26, 27/2016, AFER Buc Romania	Tambur/ drum

CARACTERISTICI		CHARACTERISTICS	
Utilizare: 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 U ₀ /U	0.6/1 kV	Rated voltage U ₀ /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
Rezistenta de izolatie la 20°C	Min 100 MΩ*km	Insulation resistance at 20°C	Min 100 MΩ*km
Constanta rezistentei de izolatie	90°C : min 3.67 MΩ*km	Insulation resistance constant at	90°C : min 3.67 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.permmissible 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	-40°C + +90°C	Normal operational temperature range	-40°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	Cabluurile tip CS2XAb2Y-Fr1 sunt cu rezistenta la propagarea flacarii conf SR EN 60332-1-2 Cabluurile tip CS2XAb2Y-Fr3 sunt cu rezistenta la propagarea flacarii conf SR EN 60332-3-24 cat C	Flame retardant	CS2XAb2Y- FR1 - cables are flame retardant according SR EN 60332-1-2 CS2XAb2Y- FR3 - cables are flame retardant according SR EN 60332-3-24 Cat. C
Cabluri cu manta fara halogen	CS2XAb2Y-Fr3 , CS2XAbz2Y-Fr3	Halogen-free cable sheath	CS2XAb2Y-Fr3 , C2XAbz2Y-Fr3
Conductor de cupru	Conductor unifilar (ru), SR EN 60228	Copper conductor	Monowire conductor (ru), SR EN 60228
Izolatia	Polietilena reticulata	Insulation	Cross-linked polyethylene XLPE
Umplutura	PVC, PE sau benzi din material plastic	Filling	PVC, PE or plastic tape
Manta interioara	Polietilena	Inner sheath	PE black
Armatura	Banda de otel laminata la rece nezincata (CS2XAb2Y, sau zincata (CS2XAbz2Y) ,de grosime 0.2 mm	Armor	Blank (CS2XAb2Y) or zinc-plated cold-rolled (CS2XAbz2Y) steel tape 0.2 mm thick.
Manta exterioara	Polietilena de culoare neagra	Outer sheath	PE black (CS2XAb2Y, CS2XAbz2Y)
Marcaj pe manta	SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, luna, an de fabricatie, ,marcaj de lungime Exemplu de marcaj : CS2XAb2Y 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 03/2015 0000	Sheath marking	SC ELECTROPLAST SA , cable symbol , operational voltage, months ,year of manufacture , mark length Example: CS2XAb2Y 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 ST 164: 2014

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

Tipodimensiune cablu Cable size	Tip conductor Conductor type	Grosime radiala izolatii <i>Insulation radial thickness</i> mm	Grosime radiala manta <i>Sheath radial thickness</i> mm		Diametru exterior inf <i>Outer diameter inf</i> mm	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i> Ω/km	Masa inf <i>Mass inf</i> kg/km
			Int.	Ext.			
			27x2.5	re			
30x0.75	re	0.7	0.8	1.4	18.1	24.5	487
30x1	re	0.7	1.0	1.8	25.1	18.1	635
30x1.5	re	0.7	1.0	1.8	27.8	12.1	860
30x2.5	re	0.7	1.0	1.8	30.4	7.41	1194
33x0.75	re	0.7	0.8	1.4	18.7	24.5	522
33x1	re	0.7	1.0	1.4	25.8	18.1	684
33x1.5	re	0.7	1.0	1.8	28.6	12.1	926
33x2.5	re	0.7	1.0	1.8	31.6	7.41	1292
37x0.75	re	0.7	0.8	1.4	19.3	24.5	567
37x1	re	0.7	1.0	1.4	26.5	18.1	744
37x1.5	re	0.7	1.0	1.8	29.5	12.1	1010
37x2.5	re	0.7	1.0	2.2	33.8	7.41	1417
42x0.75	re	0.7	1.0	1.4	21.7	24.5	657
42x1	re	0.7	1.0	1.8	28.8	12.1	872
42x1.5	re	0.7	1.0	1.8	32.5	7.41	1143
48x0.75	re	0.7	1.0	1.8	22.0	24.5	717
48x1	re	0.7	1.0	1.8	29.2	18.1	953
48x1.5	re	0.7	1.0	1.8	32.9	12.1	1256
52x0.75	re	0.7	1.0	1.4	22.5	24.5	760
52x1	re	0.7	1.0	1.8	29.8	18.1	1013
52x1.5	re	0.7	1.2	1.8	34.1	12.1	1360
56x0.75	re	0.7	1.0	1.8	23.8	24.5	835
56x1	re	0.7	1.0	1.8	31.3	18.1	1074
56x1.5	re	0.7	1.2	1.8	34.9	12.1	1440
61x0.75	re	0.7	1.0	1.8	24.4	24.5	890
61x1	re	0.7	1.0	1.8	32.0	18.1	1168
61x1.5	re	0.7	1.2	2.2	35.8	12.1	1586

Forma constructiva



1	Conductoare rotunde, unifilare, din cupru	1	Monowire or 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
6	Manta exterioara	6	Outer sheath