

CS2XAbY(-F),CS2XAbzY(-F) 0.6/1 kV

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

Armored signal cable with crosslinked polyethylene (XLPE) insulation and PVC sheath

Standard	Aprobari / Approvals	Ambalare / Packaging
ST 147: 2012, rev.2 :2018 Standard de referinta SR CEI 60502-1	Certificat de omologare tehnica feroviara Nr. 115, 116/ 2018, AFER Buc Railway Technical Approval Certificate No. 115, 116/ 2018, 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, in apa Cablurile 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, under water UV resistant cables
Tensiune nominala 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 8.4 kV c.c
Rezistivitatea de volum specifica, min.	la 20 °C - 10 ¹⁵ la 90°C - 10 ¹²
Rezistenta de izolatie la 20°C	Min 100 MΩ*km
Constanta rezistentei de izolatie	90°C : min 3.67 MΩ*km
Capacitate la 800 Hz	Max 100 nF/km
Temperatura minima de instalare pe cablu	-5°C
Temperatura maxima de lucru	+90°C
Temperatura maxima de scurt-circuit	+250°C(max 5sec)
Temperatura de utilizare normala	-40°C ÷ +90°C
Temperatura minima de montaj	-5°C
Temperatura masurata pe manta	-10°C ÷ +70°C
Conformitate RoHS	Da
Conformitate REACH	Da
Conductor de cupru	Conductor unifilar (ru), SR EN 60228
Izolatie	XLPE polietilena reticulata
Umplutura	PVC sau benzi din material plastic
Manta interioara	PVC tip ST1 negru sau gri
Armatura	Banda de otel laminata la rece nezincata (CS2XAbY, CS2XAbY-F) sau zincata (CS2XAbzY, CS2XAbzY-F) ,de grosime 0.2 mm
Manta exterioara	PVC tip ST1 negru (CS2XAbzY, CS2XAbzY) sau gri (CS2XAbY-F, CS2XAbzY-F) Cablurile sunt cu rezistenta sau rezistenta marita la propagarea flacarii conf SR EN 60332-1-2 (CS2XAbY, CS2XAbzY) ,SR EN 60332-3-24 /cat C (CS2XAbY-F, CS2XAbzY-F)
Marcaj pe manta	SC ELECTROPLAST SA ,simbol cablu ,tensiune de lucru, luna, an de fabricatie, marcaj de lungime Exemplu de marcaj : CS2XAbY-F 37x1.5 mm ² 0.6/1 kV ELECTROPLAST SA 09/2012 0030
Raza minima de curbura la instalare	Min. 12 x diametrul cablului
Forta maxima de tractiune la pozare	Max 50 N/mm ²
Cod de culori	Conf. ST 147, rev.2: 2018

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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 nominal <i>Nominal outer diameter</i>	Rezistenta electrica, max la 20°C <i>Max. Resistance at 20°C</i>	Masa inf <i>Mass inf</i>
			mm				
			Int.	Ext.			
2x1	re	0.7	0.8	1.4	10.5	18.1	188
2x1.5	re	0.7	0.8	1.4	11.0	12.1	215
2x2.5	re	0.7	0.8	1.4	11.8	7.41	257
2x4	re	0.7	0.8	1.4	12.7	4.61	312
2x6	re	0.7	0.8	1.4	13.9	3.08	383
3x1	re	0.7	0.8	1.4	10.9	18.1	206
3x1.5	re	0.7	0.8	1.4	11.4	12.1	238
3x2.5	re	0.7	0.8	1.4	12.3	7.41	290
3x4	re	0.7	0.8	1.4	13.3	4.61	360
3x6	re	0.7	0.8	1.4	14.6	3.08	449
4x1	re	0.7	0.8	1.4	11.5	18.1	234
4x1.5	re	0.7	0.8	1.4	12.2	12.1	272
4x2.5	re	0.7	0.8	1.4	13.1	7.41	337
4x4	re	0.7	0.8	1.4	14.2	4.61	424
4x6	re	0.7	0.8	1.4	15.6	3.08	536
5x1	re	0.7	0.8	1.4	12.2	18.1	270
5x1.5	re	0.7	0.8	1.4	12.9	12.1	316
5x2.5	re	0.7	0.8	1.4	14.0	7.41	397
5x4	re	0.7	0.8	1.4	15.2	4.61	510
5x6	re	0.7	0.8	1.4	16.8	3.08	645
7x1	re	0.7	0.8	1.4	13.0	18.1	303
7x1.5	re	0.7	0.8	1.4	13.8	12.1	360
7x2.5	re	0.7	0.8	1.4	15.0	7.41	460
7x4	re	0.7	0.8	1.4	16.3	4.61	595
7x6	re	0.7	0.8	1.4	18.0	3.08	786
9x1	re	0.7	0.8	1.4	15.0	18.1	347
9x1.5	re	0.7	0.8	1.4	16.0	12.1	414
9x2.5	re	0.7	0.8	1.4	17.5	7.41	533
9x4	re	0.7	0.8	1.4	19.2	4.61	694
9x6	re	0.7	0.8	1.4	21.1	3.08	910
12x1	re	0.7	0.8	1.4	15.9	18.1	404
12x1.5	re	0.7	0.8	1.4	16.9	12.1	489
12x2.5	re	0.7	0.8	1.4	18.6	7.41	640
12x4	re	0.7	0.8	1.8	21.3	4.61	890
14x1	re	0.7	0.8	1.4	16.6	18.1	443
14x1.5	re	0.7	0.8	1.4	17.6	12.1	539
14x2.5	re	0.7	0.8	1.4	19.4	7.41	712
16x1	re	0.7	0.8	1.4	17.3	18.1	488
16x1.5	re	0.7	0.8	1.4	18.4	12.1	597
16x2.5	re	0.7	1.0	1.4	20.7	7.41	817
19x1	re	0.7	0.8	1.4	18.1	18.1	538
19x1.5	re	0.7	0.8	1.4	19.3	12.1	662
19x2.5	re	0.7	1.0	1.4	21.7	7.41	914
21x1	re	0.7	1.0	1.4	21.0	18.1	635
21x1.5	re	0.7	1.0	1.8	23.2	12.1	824
21x2.5	re	0.7	1.0	1.8	25.6	7.41	1086
24x1	re	0.7	1.0	1.4	21.0	18.1	676
24x1.5	re	0.7	1.0	1.8	23.2	12.1	880
24x2.5	re	0.7	1.0	1.8	25.6	7.41	1172
27x1	re	0.7	1.0	1.8	22.2	18.1	768

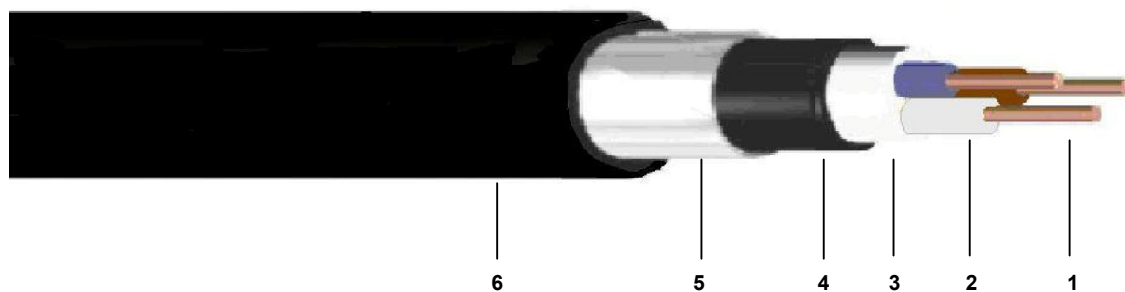
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			mm	Int. Ext.			
27x1.5	re	0.7	1.0	1.8	23.6	12.1	944
27x2.5	re	0.7	1.0	1.8	26.1	7.41	1267
30x1	re	0.7	1.0	1.8	22.8	18.1	823
30x1.5	re	0.7	1.0	1.8	24.3	12.1	1016
30x2.5	re	0.7	1.0	1.8	26.9	7.41	1371
33x1	re	0.7	1.0	1.8	23.6	18.1	883
33x1.5	re	0.7	1.0	1.8	25.1	12.1	1094
33x2.5	re	0.7	1.0	1.8	27.8	7.41	1484
37x1	re	0.7	1.0	1.8	24.3	18.1	949
37x1.5	re	0.7	1.0	1.8	26.0	12.1	1181
37x2.5	re	0.7	1.0	1.8	28.8	7.41	1611
42x1	re	0.7	1.0	1.8	26.8	18.1	1071
42x1.5	re	0.7	1.0	1.8	28.6	12.1	1327
48x1	re	0.7	1.0	1.8	27.2	18.1	1160
48x1.5	re	0.7	1.0	1.8	29.0	12.1	1448
52x1	re	0.7	1.0	1.8	27.9	18.1	1228
52x1.5	re	0.7	1.2	1.8	30.1	12.1	1571
56x1	re	0.7	1.0	1.8	28.6	18.1	1302
56x1.5	re	0.7	1.2	1.8	30.9	12.1	1668
61x1	re	0.7	1.2	1.8	29.8	18.1	1414
61x1.5	re	0.7	1.2	2.2	32.6	12.1	1840

Forma constructiva



1	Conductoare rotunde, unifilare, din cupru	1	Monowire or multi wire copper conductors
2	Conductoare izolate din polietilena (XLPE)	2	XLPE insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta interna din PVC	4	PVC inner sheath
5	Armatura din banda de otel sau otel zincat	5	Blank or zinc-plated cold-rolled
6	Manta exterioara din PVC	6	PVC outer sheath