

ACYEALAbY(-F), ACYEALAbzY(-F)

Cablu de energie cu izolatie si manta de PVC, ecranat cu sarme de AL, armat cu banda

PVC insulated and sheathed power cable, with aluminium wire screen and tape armoring

Standard		Aprobari / Approvals		Ambalare / Packaging	
ST104 Rev 2 :2016, Standard de referinta: SR CEI 60502-1		Certificat de omologare tehnica feroviara Nr 183,184/2016, AFER Buc Railway Technical Approval Certificate No 183,184/2016, AFER Buc Romania		Tambur/ drum	
CARACTERISTICI			CHARACTERISTICS		
Utilizare: Cabluurile sunt utilizate pentru transportul energiei electrice la statii de putere. Cabluurile trebuie protejate impotriva agentilor corozivi si a solventilor chimici Cabluurile sunt cu rezistenta la UV			Applicability: Power supply to power stations. The cables must be protected against: corozive chemicals and chemical solvents UV resistant cables.		
Tensiune nominala U ₀ /U	0.6/1 kV		Rated voltage U ₀ /U	0.6/1 kV	
Tensiune de incercare	3.5 kV ca sau 8.4 kV cc,5 min		Test voltage	3.5 kV ac or 8.4 kV dc,5 min	
Rezistivitatea de volum specifica, min,	la 20 °C-10 ¹³ la 70°C-10 ¹⁰		Volume resistivity at , min	la 20 °C-10 ¹³ la 70°C-10 ¹⁰	
Constanta rezistentei de izolatie	20 °C:min 3.67 MΩ*km 70 °C: min 0.037 MΩ*km		Insulation resistance constant at	20 °C:min 3.67 MΩ*km 70 °C: min 0.037 MΩ*km	
Factor reductor la 200mV/m si 50 Hz	max 0.7		Reduction factor	max 0.7	
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	+160°C (max 5 sec)		Max. short-circuit temperature	+160°C (max 5 sec)	
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	
Conductor de aluminiu	Conductor unifilar (re), sau multifilar (rm) cl. 2 conf. SR EN 60228		Aluminum conductor	Monowire (re) or multiwire (rm) cl 2 conductor, according to SR EN 60228	
Izolatie	PVC tip PVC/A		Insulation	PVC type PVC/A	
Umplutura	PVC sau benzi din material plastic		Filling	PVC or plastic tape	
Manta interioara	PVC tip ST1 negru sau gri		Inner sheath	PVC type ST1 black or gray	
Ecran	Sarme de Al		Screen	Aluminum wire screen	
Armatura	Banda de otel laminata la rece nezincata (ACYEALAbY, ACYEALAbY-F) sau zincata (ACYEALAbzY, ACYEALAbzY-F), de grosime 0.2 sau 0.5 mm.		Armor	Blank (ACYEALAbY, ACYEALAbY-F) or zinc-plated cold-rolled (ACYEALAbzY, ACYEALAbzY-F) steel tape 0.2 or 0.5 mm thick.	
Manta exterioara	PVC tip ST1 negru (ACYEALAzY,ACYEALAbzY) sau gri (ACYEALAzY-F,ACYEALAbzY-F) Cabluurile sunt cu rezistenta sau rezistenta marita la propagarea flacarii conf SR EN 60332-1-2(ACYEALAbY, ACYEALAbzY),SR EN 60332-3-24 /cat C (ACYEALAbY-F, ACYEALAbzY-F)		Outer sheath	PVC type ST1 black (ACYEALAzY,ACYEALAbzY) or gray (ACYEALAzY-F,ACYEALAbzY-F) The cables are flame retardant or extra flame retardant acc SR EN 60332-1-2(ACYEALAbY, ACYEALAbzY),SR EN 60332-3-24 /cat C (ACYEALAbY-F, ACYEALAbzY-F)	
Marcaj pe manta	SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, luna, an de fabricatie, marcaj de lungime Exemplu de marcaj : ACYEALAbY-F 4x35 mm ² 0.6/1 kV ELECTROPLAST SA 09/2012 0030		Sheath marking	SC ELECTROPLAST SA , cable symbol , operational voltage, , months ,year of manufacture , mark length Example: ACYEALAbY-F 4x35 mm ² 0.6/1 kV ELECTROPLAST SA 09/2012 0030	
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 30 N/mm ²		Max. tensile strain during installation	Max 30 N/mm ²	
Cod de culori conf SR HD 308 S2 (nr. de conductoare)	1	negru / galben-verde	Color coding according SR HD 308 S2 (no. of conductors)	1	black / yellow-green
	2	albastru, maro / galben-verde, negru, pt sect >10mm ²		2	blue,brown yellow-green, black for sect> 10 mm ²
	3	maro,negru,gri / galben-verde, albastru, maro		3	brown, black, grey yellow-green, blue, brown
	4	albastru,maro,negru,gri / galben-verde,maro,negru,gri		4	blue, brown, black, grey yellow-green, brown, black, grey
	5	albastru,maro,negru,.,gri,negru / galben-verde,albastru,maro,negru,gri		5	blue, brown, black, grey, black yellow-green, blue, brown,black,grey
	>5	conductoare negre numerotate sau galben-verde si conductoare numerotate		>5	numbered black conductors or yellow-green and numbered conductors

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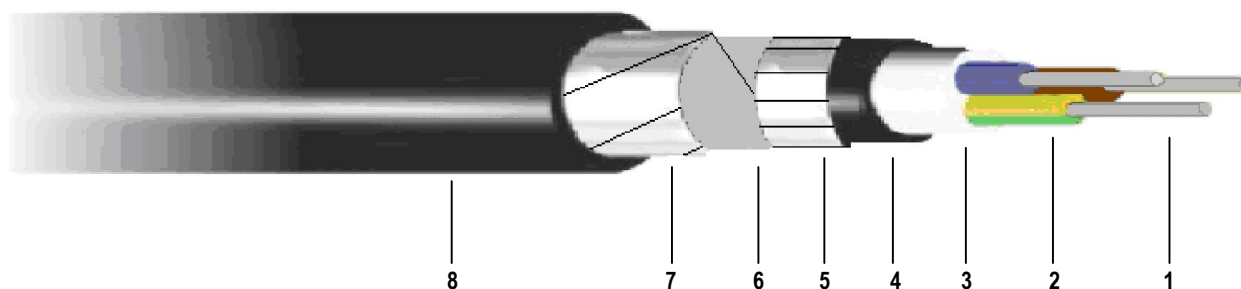
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Tip/dimensiune cablu	Tip conductor	Grosime radiala izolatie,	Grosime radiala manta interna nom/min	Grosime radiala nom/min manta exterioara	Rezistenta electrica max, la 20°C	Diametru exterior inf
Cable size	Type of conductor	Insulation radial thickness	Inner sheath radial thickness nominal	Outer sheath radial thickness nom/min	Max. resistance at 20°C	Outer diameter Inf
		mm	mm	mm	Ω/km	mm
1x50	rm	1.4	1.2	1.8/1.24	0.641	21.3
1x70	rm	1.4	1.2	1.8/1.24	0.443	22.9
1x95	rm	1.6	1.2	1.8/1.24	0.320	25.0
1x120	rm	1.6	1.2	1.8/1.24	0.253	26.5
1x150	rm	1.8	1.2	1.8/1.24	0.206	28.3
1x185	rm	2.0	1.2	2.0/1.4	0.164	31.2
1x240	rm	2.2	1.2	2.1/1.48	0.125	34.2
2x4	re	1.0	1.2	1.8/1.24	-	18.9
2x6	re	1.0	1.2	1.8/1.24	-	19.9
2x10	re	1.0	1.2	1.8/1.24	3.08	21.5
2x16	re	1.0	1.2	1.8/1.24	1.91	23.3
2x25	rm	1.2	1.2	1.8/1.24	1.2	27.1
2x35	rm	1.2	1.2	1.9/1.32	0.868	29.3
2x50	rm	1.4	1.2	2.0/1.4	0.641	33.0
2x70	rm	1.4	1.2	2.1/1.48	0.443	36.7
2x95	rm	1.6	1.2	2.2/1.56	0.320	37.9
3x4	re	1.0	1.2	1.8/1.24	-	19.3
3x6	re	1.0	1.2	1.8/1.24	-	20.4
3x10	re	1.0	1.2	1.8/1.24	3.08	22.1
3x16	re	1.0	1.2	1.8/1.24	1.91	24.0
3x25	rm	1.2	1.2	1.9/1.32	1.2	28.1
3x25+16	rm/re	1.2;1.0	1.2	1.9/1.32	1.2;1.91	29.7
3x35	rm	1.2	1.2	2.0/1.4	0.868	30.7
3x35+16	rm/re	1.2;1.0	1.2	1.8/1.24	0.868;1.91	33.4
3x50	sm	1.4	1.2	2.0/1.4	0.641	33.2
3x70	sm	1.4	1.2	2.2/1.56	0.443	38.2
3x95	sm	1.6	1.2	2.3/1.64	0.320	41.5
4x4	re	1.0	1.2	1.8/1.24	-	20.6
4x6	re	1.0	1.2	1.8/1.24	-	21.6
4x10	re	1.0	1.2	1.8/1.24	3.08	23.8
4x16	re	1.0	1.2	1.8/1.24	1.91	26.0
4x25	rm	1.2	1.2	2.0/1.4	1.2	31.0
4x35	rm	1.2	1.2	2.1/1.48	0.868	33.9
4x50	sm	1.2	1.2	2.0/1.4	0.641	33.8
5x4	re	1.0	1.2	1.8/1.24	-	21.8
5x6	re	1.0	1.2	1.8/1.24	-	23.2
5x10	re	1.0	1.2	1.8/1.24	3.08	25.4
5x16	re	1.0	1.2	1.9/1.32	1.91	29.1
5x25	rm	1.2	1.2	2.0/1.4	1.2	33.3
5x35	rm	1.2	1.2	2.2/1.56	0.868	37.9

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1	Conductoare rotunde, unifilare sau multifilare, din aluminiu	1	Aluminium monowire or multiwire conductors
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta interna	4	Inner sheath
5	Ecran din sarme de Al	5	Aluminum wire screen
6	Strat separator din PES	6	Plastic tape
7	Armatura din banda de otel sau otel zincat	7	Blank or zinc-plated cold-rolled steel tape
8	Manta exterioara	8	Outer sheath