

PP 41-A

ACYAbY(-F)



Primena: Napojni kabal predviđen za poleganje najčešće pod zemljom, može se koristiti i u vodi, unutar objekata, kao i u kablovskim kanalicama i u betonu. Upotrebljava se za napajanje u elektranama, trafostanicama, industrijskim pogonima, gradskim mrežama i drugim električnim pogonima. Koristi se u uslovima gde je neophodna zaštita od težih mehaničkih oštećenja, ali kabal ne sme biti izložen jačem vučnom istezanju. Kabal mora biti zaštićen od korozije, hemikalija, razređivača. Kabal je otporan na UV zracenje.

Application: Power cable for static application, mostly in ground, also in water, within facilities, in cable canals, in concrete. Used for power supply to power stations, transformer stations, industrial plants, metropolitan networks and other electric plants. Applied in conditions requiring protection against heavier mechanical damages, but where cables are not exposed to heavier tensile strain. The cables must be protected against: corozive, chemicals, chemical solvents. Cable is UV resistant.

Materijal provodnika:	Aluminijum
Konstrukcija provodnika:	Klasa 1 - od 25mm ² klasa 2
Armatura:	Prazna ili hladnovaljana pocinkovana traka, minimalna debljina od 0,2-0,5 mm
Unutrašnji plašt:	PVC DMV 17
Izolacija:	PVC DIV 10
Materijal plašta:	PVC DMV 17
Boja spoljnog plašta:	Siva standardno ili crna po porudžbini
Otpornost na plamen:	SR EN 332-1-2, SR EN 50266-4-2
Maksimalna temperatura tokom rada:	70 °C
Minimalna dozvoljena temperatura tokom poleganja:	-5 °C
Temperatura u kratkom spoju:	max. 160 °C
Nominalni naponski nivo U₀:	600 V
Nominalni naponski nivo U:	1 kV
Ispitni naponski nivo AC/DC:	3,5 kV/8,4 kV max. 5 min.
Radius savijanja pri poleganju:	min. 12x Da
Sila istezanja pri poleganju:	max. 50 N/mm ²

Conductor material:	Aluminum
Conductor construction:	Class 1 - from 25 mm ² class 2
Aarmor:	Blank or zinc-plated cold-rolled tape, minimum thickness 0,2-0,5mm
Inner sheath:	PVC DMV 17
Insulation:	PVC DIV 10
Sheathing material:	PVC DMV 17
Color of outer sheath:	Gray as standard or black by order
Flame retardant:	SR EN 332-1-2, SR EN 50266-4-2
Max. operating temperature, fixed:	70 °C
Minimum temperature, moved/ during installation:	-5 °C
Short-circuit temperature:	max. 160 °C
Nominal voltage U₀:	600 V
Nominal voltage U:	1 kV
Test voltage AC/DC:	3,5 kV/8,4 kV max. 5 min.
Bending radius at installation:	min. 12x Da
Tensile strain during installation:	max. 50 N/mm ²

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Naziv kabla	Presek		Boja	DI	DUP	DSP	OP	Da	T
Cable name	Cross section		Color	mm	mm	mm	Ω/km	mm	kg/km
ACYAbY(-F)	1x50	RM	si/gr, cr/bc	1.4	0.76	1.8/1.24	0.641	17.7	496
ACYAbY(-F)	1x70	RM	si/gr, cr/bc	1.4	0.76	1.8/1.24	0.443	19.5	604
ACYAbY(-F)	1x95	RM	si/gr, cr/bc	1.6	0.76	1.8/1.24	0.320	21.8	753
ACYAbY(-F)	1x120	RM	si/gr, cr/bc	1.6	0.76	1.8/1.24	0.253	23.3	858
ACYAbY(-F)	1x150	RM	si/gr, cr/bc	1.8	0.76	1.8/1.24	0.206	25.3	1007
ACYAbY(-F)	1x185	RM	si/gr, cr/bc	2.0	0.76	1.8/1.24	0.164	27.6	1215
ACYAbY(-F)	1x240	RM	si/gr, cr/bc	2.2	0.76	1.8/1.24	0.125	30.5	1484
ACYAbY(-F)	1x300	RM	si/gr, cr/bc	2.4	0.76	1.8/1.24	0.100	33.5	1789
ACYAbY(-F)	2x4	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	7.305	14.7	347
ACYAbY(-F)	2x6	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	4.895	15.9	408
ACYAbY(-F)	2x10	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	3.08	18.4	538
ACYAbY(-F)	2x16	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	1.91	21.2	686
ACYAbY(-F)	2x25	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	1.200	24.2	925
ACYAbY(-F)	3x4	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	7.305	15.4	379
ACYAbY(-F)	3x6	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	4.895	16.7	437
ACYAbY(-F)	3x10	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	3.08	19.4	593
ACYAbY(-F)	3x16	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	1.91	21.9	760
ACYAbY(-F)	3x25	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	1.20	25.6	1033
ACYAbY(-F)	3x25+16	RE/RE	si/gr, cr/bc	1.2;1.0	0.76	1.8/1.24	1.2;1.91	26.9	1134
ACYAbY(-F)	3x35	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	0.868	28.2	1278
ACYAbY(-F)	3x35+16	RE/RE	si/gr, cr/bc	1.2;1.0	0.76	1.8/1.24	0.868;1.91	29.2	1339
ACYAbY(-F)	3x50	SM	si/gr, cr/bc	1.4	0.76	1.9/1.32	0.641	28.4	1551
ACYAbY(-F)	3x50+25	SM/RM	si/gr, cr/bc	1.4;1.2	0.76	2.0/1.4	0.641;1.200	31.8	1772
ACYAbY(-F)	3x70	SM	si/gr, cr/bc	1.4	0.76	2.0/1.4	0.443	31.8	1905
ACYAbY(-F)	3x70+35	SM/RM	si/gr, cr/bc	1.4;1.2	0.76	2.1/1.48	0.443;0.868	37.0	2052
ACYAbY(-F)	3x95	SM	si/gr, cr/bc	1.6	0.76	2.1/1.48	0.32	35.4	2322
ACYAbY(-F)	3x95+50	SM/SM	si/gr, cr/bc	1.6;1.4	0.76	2.4/1.72	0.32;0.641	40.2	2655
ACYAbY(-F)	3x120	SM	si/gr, cr/bc	1.6	0.84	2.2/1.56	0.253	38.0	2696
ACYAbY(-F)	3x120+70	SM/SM	si/gr, cr/bc	1.6;1.4	0.84	2.4/1.72	0.253;0.443	43.6	3056
ACYAbY(-F)	3x150	SM	si/gr, cr/bc	1.8	0.92	2.3/1.64	0.206	42.2	3215
ACYAbY(-F)	3x150+70	SM/SM	si/gr, cr/bc	1.8;1.4	0.92	2.5/1.8	0.206;0.443	48.0	3665
ACYAbY(-F)	3x185	SM	si/gr, cr/bc	2.0	1.0	2.4/1.72	0.164	45.6	3908
ACYAbY(-F)	3x185+95	SM/SM	si/gr, cr/bc	2.0;1.6	1.0	2.7	0.164;0.320	53.6	4650
ACYAbY(-F)	3x240	SM	si/gr, cr/bc	2.2	1.0	2.6	0.125	52.4	4800
ACYAbY(-F)	3x240+120	SM/SM	si/gr, cr/bc	2.2;1.6	1.08	2.9	0.125;0.253	59.8	5600
ACYAbY(-F)	4x4	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	7.305	16.5	435
ACYAbY(-F)	4x6	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	4.895	17.9	517
ACYAbY(-F)	4x10	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	3.08	20.9	691
ACYAbY(-F)	4x16	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	1.91	23.8	891
ACYAbY(-F)	4x25	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	1.200	28.1	1236
ACYAbY(-F)	4x35	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	0.868	31.2	1556
ACYAbY(-F)	4x50	SM	si/gr, cr/bc	1.4	0.76	2.0/1.4	0.641	31.8	1865
ACYAbY(-F)	4x70	SM	si/gr, cr/bc	1.4	0.76	2.2/1.56	0.443	37.0	2221
ACYAbY(-F)	4x95	SM	si/gr, cr/bc	1.6	0.84	2.4/1.72	0.320	39.5	2905













Naziv kabla	Presek		Boja	DI	DUP	DSP	OP	Da	T
Cable name	Cross section		Color	mm	mm	mm	Ω/km	mm	kg/km
ACYAbY(-F)	4x120	SM	si/gr, cr/bc	1.6	0.92	2.5/1.8	0.253	43.8	3388
ACYAbY(-F)	4x150	SM	si/gr, cr/bc	1.8	1.0	2.5/1.8	0.206	43.8	4015
ACYAbY(-F)	5x4	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	7.305	17.7	507
ACYAbY(-F)	5x6	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	4.895	19.3	607
ACYAbY(-F)	5x10	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	3.08	22.6	803
ACYAbY(-F)	5x16	RE	si/gr, cr/bc	1.0	0.76	1.8/1.24	1.91	25.8	1043
ACYAbY(-F)	5x25	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	1.200	31.3	1473
ACYAbY(-F)	5x35	RE	si/gr, cr/bc	1.2	0.76	1.8/1.24	0.868	34.2	1856

Objašnjenje oznaka

DI Debljina izolacije
DUP Debljina unutrašnjeg plašta
DSP Debljina spoljnog plašta
OP Otpor provodnika
Da Spoljni dijametar
T Ukupna težina kabla

Labels explanation

DI Thickness of insulation
DUP Thickness of innersheat
DSP Thickness of outer sheat
OP Conductor resistance
Da Outer diameter
T Total weight

Identifikacija žila		PP 41-A ACYAbY(-F)			
Core identification					
žile	Boje	žile	Boje		
cores	Colors	cores	Colors		
1	 žz/yg	1	 cr/bc		
2	 pl/bl br/bw	2	 pl/bl br/bw		
3	 žz/yg pl/bl br/bw	3	 br/bw cr/bc si/gr		
4	 žz/yg br/bw cr/bc si/gr	4	 pl/bl br/bw cr/bc si/gr		
5	 žz/yg pl/bl br/bw cr/bc si/gr	5	 pl/bl br/bw cr/bc si/gr cr/bc		
5+	 žz/yg + obeležavanje brojevima + numbering	5+	 + obeležavanje brojevima + numbering		

Objašnjenje boja

žz žuto-zelena
cr crna
pl plava
br braon
si siva

Color explanation

yg yellow-green
bc black
bl blue
bw brown
gr gray