



U-1000 AR2V

Applications:

0.6 / 1 kV, XLPE insulated, PVC sheathed single core cables with aluminium conductor

These cables have low dielectric loss, used in energy networks with sudden load changes, installed mainly in residential or industrial areas, outdoors, underground or in ducts. Can be used without additional mechanical protection in the open air, or in cases of high resistance al UV radiation needed.

Lead free

UV resistant NFC 15-100

Flexibility: Compacted stranded class 2 According to EN 60228 (IEC 60228)

Flame retardant NF C32-070

CE: Low voltage directive, 2006/95/EC

Standard

XPC 32-321

Max. Operating Temperature

90°C

Max. Short Circuit Temperature

250°C

Rated Voltage (Ug/ U)

0.6/ 1 kV (1500V DC)

Sheath colour:

Black

Core colours:

1 core: black

2 cores: blue and brown

3 cores: brown, black and grey

3 (G): blue, brown, and green/yellow

4 core: blue, brown, black and grey

4 core (G): brown, black, grey, green/yellow

Min. Bending Radius:

12 x diameter

Cross section mm ²	DC Resistance Ω/km (20°C)	Insulation thickness mm		Sheath thickness mm	Overall Dimensions		Batt Part No
					Min. mm	Max. mm	
1 x 16	1.910		0.70	1.40		10.5	
1 x 25	1.200		0.90	1.40		12.5	
1 x 35	0.868		0.90	1.40		13.5	
1 x 50	0.641		1.00	1.40		15	
1 x 70	0.443		1.10	1.40		17	
1 x 95	0.320		1.10	1.50		19	16000
1 x 120	0.253		1.120	1.50		21	16870
1 x 150	0.206		1.40	1.60		23	16871
1 x 185	0.164		1.60	1.60		25.5	16872
1 x 240	0.125		1.70	1.70		28.5	16873
1 x 300	0.100		1.80	1.80		31	
1 x 400	0.078		2.00	1.90		34.5	
2 x 16	1.910		0.70	1.80	14.5	18.5	
2 x 25	1.200		0.90	1.80	17.5	22	
2 x 35	0.868		0.90	1.80	19.5	24.5	
3 x 16	0.910		0.70	1.80	15.5	19.5	
3 x 25	1.200		0.90	1.80	19	23.5	
3 x 35	0.868		0.90	1.80	21	26	
3 x 50	0.641		1.00	1.80	24.5	29	
3 x 70	0.443		1.10	1.90	28.5	34	
3 x 95	0.320		1.10	2.00	32.5	38.5	

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Cross section mm ²	DC Resistance		Insulation thickness mm		Sheath thickness mm	Overall Dimensions		Batt Part No
	Ω/km (20°C)					Min. mm	Max. mm	
3 x 120	0.253		1.20		2.1	36	42.5	
3 x 150	0.206		1.40		2.30	40	47.5	
3 x 185	0.164		1.60		2.40	44.5	53	
3 x 240	0.125		1.70		2.60	50.5	59.5	
3 x 300	0.100		1.80		2.80	56	66	
3 x 50 + 35	0.641	0.868	1.00	0.9	1.80	26.6	31.1	
3 x 70 + 50	0.443	0.641	1.10	1.0	2.00	31.1	36.2	
3 x 95 + 50	0.320	0.641	1.10	1.0	2.10	34.7	40.6	
3 x 120 + 70	0.253	0.443	1.20	1.1	2.20	38.9	45.4	
3 x 150 + 70	0.206	0.443	1.40	1.1	2.30	42.6	49.5	
3 x 185 + 70	0.164	0.443	1.60	1.1	2.50	47.1	54.5	
3 240 + 95	0.125	0.320	1.70	1.1	2.70	53.2	61.5	
4 x 16	1.910		0.70		1.80	17	21	
4 x 25	1.200		0.90		1.80	20.5	25.5	
4 x 35	0.868		0.90		1.80	23	28.5	
4 x 50	0.641		1.00		1.90	27	32.5	
4 x 70	0.443		1.10		2.00	31.5	37.5	
4 x 95	0.320		1.10		2.10	36	42.5	
4 x 120	0.253		1.20		2.30	40	47.5	
4 x 150	0.206		1.40		2.40	44.5	52.5	
4 x 185	0.164		1.60		2.60	50	59	
4 x 240	0.125		1.70		2.80	56.5	66.5	
4 x 300	0.100		1.80		3.00	62.5	73.5	

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