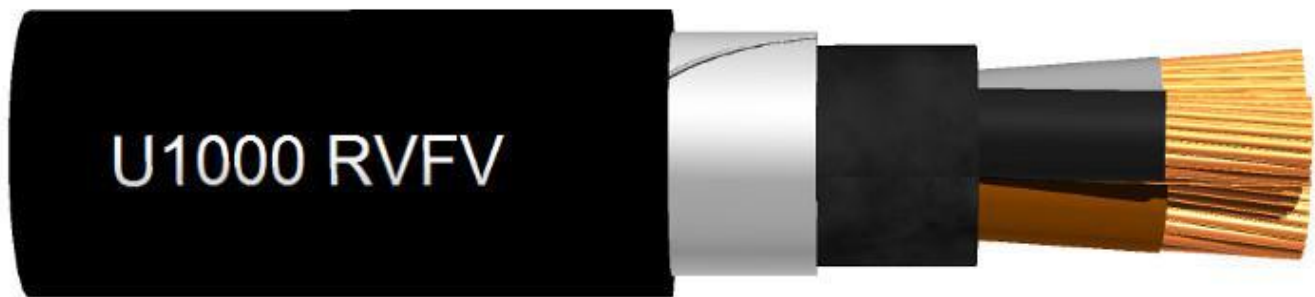


U1000 RVFV 600/1000V

A low voltage power cable with XPLE insulation and PVC outer sheath



Application

These U1000 RVFV cables are suitable for direct burial without additional protection or for installation on cables trays or in ducts where mechanical protection is necessary.

Permissible currents

- In free air, sheltered from sun, on cable tray or bracket, on cable ladder, and spaced from the wall, temperature = 30°C.
- Buried with thermal resistivity of the ground 1Km/W, laying depth : 600 mm, temperature = 20°C.

* If conditions are different, apply correction factors from NF C 15-100 standard or equivalent national standard

Construction

Conductor	: Bare copper
Conductor screen	: Semi conductive extruded layer
Insulation	: XPLE, cross linked polyethylene
Armour	: Double Aluminium Tape for single core cables Double Steel Tape for multi core cables
Outer sheath	: PVC, (Polyvinyl Chloride)
Rated voltage (Uo/U)	: 600/1000V
Voltage drop	: Calculated with $\cos\phi = 0,8$

Outer Sheath Colours

Available colours : Black

Installation recommendations

Max. Conductor operating temperature	: 90°C
Short circuit max. core temperature	: 250°C
Operating temperature	: -10°C - 60°C

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Standards applied

XP C 32-322
NF C 32-070
HD 308 S2

Core identification

Number of cores	Core identification in accordance with HD 308 S2	
	G (earth core)	X (without earthcore)
1		Black
2		Blue, Brown
3*	Green/Yellow, Blue, Brown	Brown, Black, Grey
3**		Blue, Brown, Black
4	Green/Yellow, Brown, Black, Gray	Blue, Brown, Black, Grey
5	Green/Yellow, Blue, Brown, Black, Grey	Blue, Brown, Black, Grey, Black
5>	1 Green / Yellow, White printed numbers	White printed numbers

* For the cables without Green/Yellow with a cross-section > 4mm²

** For the cables without Green/Yellow with a cross-section of 1,5mm² and 2,5mm²

Range and Dimensions

Two cores

Article Code	Size Cross-Section in mm ²	Voltage drop, single phase V/A.km	Max. outer diameter mm	Perm. Current rating open air A	Perm. Current rating burried A	Nominal overall cable weight kg/km
P0802C1.5BWWBK4	1.5	24.8	13.0	26	37	215
P0802C2.5BWWBK4	2.5	14.8	14.0	36	48	249
P0802C004BWWBK4	4	9.2	15.5	49	63	309
P0802C006BWWBK4	6	6.2	16.5	63	80	386
P0802C010BWWBK4	10	3.7	18.5	86	104	515
P0802C016BWWBK4	16	2.4	20.5	115	136	709
P0802C025BWWBK4	25	1.6	24.5	149	173	1045

Three cores

Article Code	Size Cross-Section in mm ²	Voltage drop, single phase V/A.km	Max. outer diameter mm	Perm. Current rating open air A	Perm. Current rating burried A	Nominal overall cable weight kg/km
P0803C006BBABK4	6	5.4	17.5	54	66	447
P0803C010BBABK4	10	3.2	19.0	75	87	624
P0803C016BBABK4	16	2.11	22.0	100	113	849
P0803C025BBABK4	25	1.37	26.0	127	144	1260
P0803C035BBABK4	35	1.0	29.0	158	174	1633
P0803C050BBABK4	50	0.76	32.5	192	206	2110
P0803C070BBABK4	70	0.55	37.5	246	254	2817
P0803C095BBABK4	95	0.42	43.5	298	301	4190
P0803C120BBABK4	120	0.35	47.5	346	343	5176
P0803C150BBABK4	150	0.30	53.0	395	387	6264
P0803C185BBABK4	185	0.25	58.0	450	434	7642
	185	0.25	59.0	450	434	8366
P0803C240BBABK4	240	0.21	66.0	538	501	10756
	240	0.21	72.5	538	501	9687

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U1000 RVFV 600/1000V

Three cores with Green/Yellow

Article Code	Size Cross-Section in mm ²	Voltage drop, single phase V/A.km	Max. outer diameter mm	Perm. Current rating open air A	Perm. Current rating buried A	Nominal overall cable weight kg/km	Conductor flexibility
P0803C1.5BFFBK4	1.5	24.8	13.5	23	31	233	Solid class 1
	1.5	24.8	13.5	23	31	244	Stranded class 2
P0803C2.5BFFBK4	2.5	14.8	14.5	31	41	274	Solid class 1
	2.5	15.2	14.5	31	41	299	Stranded class 2
P0803C004BFFBK4	4	9.2	16.0	42	53	352	Solid class 1
P0803C006BFFBK4	6	6.2	17.5	54	66	447	Stranded class 2
P0803C010BFFBK4	10	3.7	19.0	75	87	633	Stranded class 2
P0803C016BFFBK4	16	2.4	22.0	100	113	850	Stranded class 2
P0803C025BFFBK4	25	1.6	26.0	127	144	1260	Stranded class 2
P0803C1.5BFFBK4	1.5	24.8	13.5	23	31	233	Solid class 1
	1.5	24.8	13.5	23	31	244	Stranded class 2
P0803C2.5BFFBK4	2.5	14.8	14.5	31	41	274	Solid class 1
	2.5	15.2	14.5	31	41	299	Stranded class 2
P0803C004BFFBK4	4	9.2	16.0	42	53	352	Solid class 1

Three cores with smaller neutral conductor

Article Code	Size Cross-Section in mm ²	Voltage drop, single phase V/A.km	Max. outer diameter mm	Perm. Current rating open air A	Perm. Current rating buried A	Nominal overall cable weight kg/km
P0803C050BBABK4	50	0.76	34.5	192	206	2560
P0803C070BBABK4	70	0.55	40.0	246	254	3443
P0803C095BBABK4	95	0.42	45.0	298	301	4790
P0803C120BBABK4	120	0.35	50.0	346	343	5938
P0803C150BBABK4	150	0.3	54.0	395	387	7056

Five cores

Article Code	Size Cross-Section in mm ²	Voltage drop, single phase V/A.km	Max. outer diameter mm	Perm. Current rating open air A	Perm. Current rating buried A	Nominal overall cable weight kg/km
P0805C1.5BBGBK4	1.5	21.5	15.5	23	31	301
P0805C2.5BBGBK4	2.5	12.8	17.0	31	41	373
	2.5	12.8	17.0	31	41	379
P0805C004BBGBK4	4	8.0	18.5	42	53	480
P0805C006BBGBK4	6	5.4	20.5	54	66	638
P0805C010BBGBK4	10	3.2	22.5	75	87	900
P0805C016BBGBK4	16	2.11	26.0	100	113	1250
P0805C025BBGBK4	25	1.37	31.0	127	144	1881
P0805C035BBGBK4	35	1.0	35.0	157	170	2437

NOTICE

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