



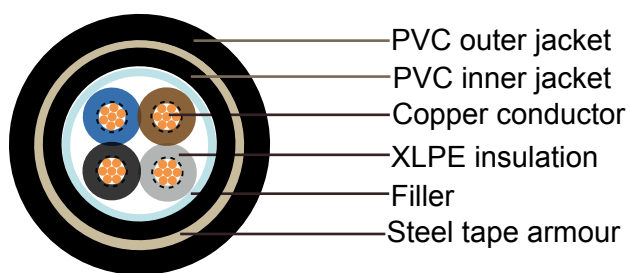
U-1000 RVFV

Application

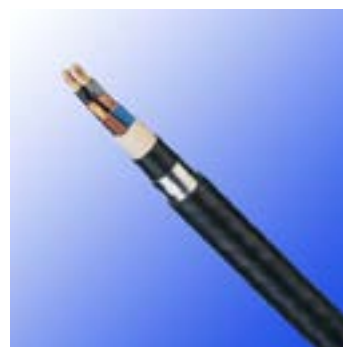
With a sheath and armor, U-1000 RVFV is an enhanced version of the cables and U-1000 R2V. They are suitable for direct burial without extra mechanical protection, fixed to the walls, laid on cable trays or raceways. May also be suitable for use in premises which poses a risk of explosion (rank BE3 NF C 15-100) with mechanical protection is necessary and in this case the intensity must be reduced by 15%.

Standard and Approval

XP C 32-322



U1000 RVFV



U1000 RVFV

Cable Construction

- Flexible copper strands
- Strands to IEC 60228 class 2
- XLPE insulation according to XP C 32-321
- Color codes to HD 308 S2(XP C32-321)
- Not fibrous and not hygroscopic filler(only for multicore cables)
- PVC inner jacket
- Two steel tapes helically wrapped armour
- Flexible black PVC outer jacket



Technical Characteristics

- Working Voltage: 600/1000 volts
- Test voltage: 3500 volts
- Minimum bending radius: 10 x Ø
- Operation temperature range: -15 °C to 90 °C
- Short-circuit temperature: 250 °C
- Flame retardant: EN 60332-1/NF C 32-070 C2

Cable Parameter

AWG	Cross Section mm ²	Insulation Thickness mm	Amour Thickness mm	Minimum Sheath Thickness mm	Approx Overall Diameter mm	Approx Cable Weight kg/km
16	2x1.5	0.7	0.2	1.3	11.5	230
14	2x2.5	0.7	0.2	1.3	12.5	275
12	2x4	0.7	0.2	1.4	13.5	330
10	2x6	0.7	0.2	1.4	15.5	430
8	2x10	0.7	0.2	1.4	16.5	555
6	2x16	0.7	0.2	1.5	19	770
4	2x25	0.9	0.2	1.6	22.5	1080
2	2x35	0.9	0.2	1.7	25	1390
16	3x1.5	0.7	0.2	1.3	12	255
14	3x2.5	0.7	0.2	1.3	13	305
12	3x4	0.7	0.2	1.4	14	380
10	3x6	0.7	0.2	1.4	16	500
8	3x10	0.7	0.2	1.5	17.5	665
6	3x16	0.7	0.2	1.5	20	930
4	3x25	0.9	0.2	1.6	24	1325
2	3x35	0.9	0.2	1.7	26.5	1720
1	3x50	0.9	0.2	1.8	29	2125
2/0	3x70	1.1	0.2	2	34.5	3080
3/0	3x95	1.1	0.5	2.1	40	4505
4/0	3x120	1.2	0.5	2.3	44.5	5540
300MCM	3x150	1.4	0.5	2.4	48.5	6655
500MCM	3x185	1.6	0.5	2.5	53.5	8150
750MCM	3x240	1.7	0.5	2.7	61	10575
-	3x300	1.8	0.5	2.9	66.5	13055



AWG	Cross Section mm ²	Insulation Thickness mm	Amour Thickness mm	Minimum Sheath Thickness mm	Approx Overall Diameter mm	Approx Cable Weight kg/km
1	3x50+35	1.0/09	0.2	1.9	33	2730
2/0	3x70+50	1.1/0.9	0.2	2	36	3440
3/0	3x95+50	1.1/1.0	0.5	2.2	42.5	5080
4/0	3x120+70	1.2/1.1	0.5	2.3	46.5	6275
300MCM	3x150+70	1.4/1.1	0.5	2.5	50	7340
500MCM	3x185+70	1.6/1.1	0.5	2.6	56	8975
750MCM	3x240+95	1.7/1.1	0.5	2.8	62.5	11435
16	4x1.5	0.7	0.2	1.3	13	290
14	4x2.5	0.7	0.2	1.4	14	355
12	4x4	0.7	0.2	1.4	15	440
10	4x6	0.7	0.2	1.4	17	585
8	4x10	0.7	0.2	1.5	19	800
6	4x16	0.7	0.2	1.6	22	1120
4	4x25	0.9	0.2	1.7	26	1650
2	4x35	0.9	0.2	1.8	29	2135
1	4x50	1	0.2	1.9	32.5	2745
2/0	4x70	1.1	0.5	2.1	39	4295
3/0	4x95	1.1	0.5	2.3	44.5	5660
4/0	4x120	1.2	0.5	2.4	48.5	6880
300MCM	4x150	1.4	0.5	2.6	53	8315
500MCM	4x185	1.6	0.5	2.7	60.5	10510
750MCM	4x240	1.7	0.5	2.9	67	13370
-	4x300	1.8	0.5	3.1	73	16360
16	5x1.5	0.7	0.2	1.4	14	335
14	5x2.5	0.7	0.2	1.4	15	415
12	5x4	0.7	0.2	1.4	16	515
10	5x6	0.7	0.2	1.5	18.5	705
8	5x10	0.7	0.2	1.6	21	955
6	5x16	0.7	0.2	1.8	23.5	1340
4	5x25	0.9	0.2	1.8	29.5	2085
16	7x1.5	0.7	0.2	1.4	15	395
14	7x2.5	0.7	0.2	1.4	16	495
16	12x1.5	0.7	0.2	1.5	19	605
14	12x2.5	0.7	0.2	1.5	20.5	750
16	19x1.5	0.7	0.2	1.5	21.5	775
14	19x2.5	0.7	0.2	1.6	24	1045
16	24x1.5	0.7	0.2	1.6	24.5	980
14	24x2.5	0.7	0.5	1.7	29	1570
16	27x1.5	0.7	0.2	1.7	25	1050
14	27x2.5	0.7	0.2	1.8	28.5	1410
16	37x1.5	0.7	0.2	1.7	28	1320
14	37x2.5	0.7	0.2	1.8	31.5	1790