

PVC insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV



CU / PVC / PVC

Application:

- For supplying energy electrical in open air, underground, water, indoors, cable ducts, power stations, etc., where mechanical damages are not to be expected.

Standard:

- VDE 0271
- IEC 60502-1
- ISIRI 3569-1

Construction:

- Plain annealed copper conductor, class 1 & 2 *.
- PVC insulation, type A.
- Cores twisted together.
- PVC inner covering applicable to cables 16mm² and above.
- PVC sheath, type ST1.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 70°C.
- Code designation: NYY.

*: Class 5 can be supplied upon request.

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Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
1 x 4 re	1 x 2.26	1.0	1.4	7.1	82
1 x 4 rm	7 x 0.85	1.0	1.4	7.4	86
1 x 6 re	1 x 2.78	1.0	1.4	7.6	108
1 x 6 rm	7 x 1.04	1.0	1.4	7.9	116
1 x 10 re	1 x 3.57	1.0	1.4	8.4	152
1 x 10 rm	7 x 1.35	1.0	1.4	8.9	162
1 x 16 rm	7 x 1.70	1.0	1.4	9.9	226
1 x 25 rm	7 x 2.14	1.2	1.4	11.6	337
1 x 35 rm	7 x 2.52	1.2	1.4	12.8	437
1 x 50 rm	19 x 1.78	1.4	1.4	14.5	577
1 x 70 rm	19 x 2.17	1.4	1.4	16.7	785
1 x 95 rm	19 x 2.52	1.6	1.5	18.9	1080
1 x 120 rm	37 x 2.03	1.6	1.5	20.6	1325
1 x 150 rm	37 x 2.25	1.8	1.6	22.8	1618
1 x 185 rm	37 x 2.52	2.0	1.7	25.2	2050
1 x 240 rm	37 x 2.88	2.2	1.8	28.5	2630

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
1 x 4	56 x 0.3	1.0	1.4	7.0	84
1 x 6	84 x 0.3	1.0	1.4	7.6	107
1 x 10	80 x 0.4	1.0	1.4	9.0	164
1 x 16	126 x 0.4	1.0	1.4	10.2	230
1 x 25	196 x 0.4	1.2	1.4	12.6	341
1 x 35	278 x 0.4	1.2	1.4	13.9	450
1 x 50	398 x 0.4	1.4	1.4	16.3	609
1 x 70	357 x 0.5	1.4	1.5	18.2	845
1 x 95	484 x 0.5	1.6	1.6	21.0	1111
1 x 120	612 x 0.5	1.6	1.7	23.0	1380
1 x 150	765 x 0.5	1.8	1.8	25.4	1712
1 x 185	943 x 0.5	2.0	1.9	28.3	2100
1 x 240	1224 x 0.5	2.2	2.0	31.8	2725



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Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
2 x 1.5 re	1 x 1.38	0.8	1.8	11.4	190
2 x 1.5 rm	7 x 0.53	0.8	1.8	12.0	196
2 x 2.5 re	1 x 1.78	0.8	1.8	12.4	230
2 x 2.5 rm	7 x 0.67	0.8	1.8	12.8	240
2 x 4 re	1 x 2.26	1.0	1.8	13.8	284
2 x 4 rm	7 x 0.85	1.0	1.8	14.6	300
2 x 6 re	1 x 2.78	1.0	1.8	14.8	380
2 x 6 rm	7 x 1.04	1.0	1.8	15.6	396
2 x 10 re	1 x 3.57	1.0	1.8	16.4	500
2 x 10 rm	7 x 1.35	1.0	1.8	17.5	520
2 x 16 rm	7 x 1.70	1.0	1.8	19.8	710
2 x 25 rm	7 x 2.14	1.2	1.8	23.2	1020
2 x 35 rm	7 x 2.52	1.2	1.8	25.2	1300
2 x 50 rm	19 x 1.78	1.4	1.8	29.0	1720
3 x 1.5 re	1 x 1.38	0.8	1.8	12.0	215
3 x 1.5 rm	7 x 0.53	0.8	1.8	12.4	220
3 x 2.5 re	1 x 1.78	0.8	1.8	13.0	265
3 x 2.5 rm	7 x 0.67	0.8	1.8	13.4	275
3 x 4 re	1 x 2.26	1.0	1.8	14.5	350
3 x 4 rm	7 x 0.85	1.0	1.8	15.4	370
3 x 6 re	1 x 2.78	1.0	1.8	15.6	440
3 x 6 rm	7 x 1.04	1.0	1.8	16.6	460
3 x 10 re	1 x 3.57	1.0	1.8	17.4	610
3 x 10 rm	7 x 1.35	1.0	1.8	18.6	630
3 x 16 rm	7 x 1.70	1.0	1.8	21.0	870
3 x 25 rm	7 x 2.14	1.2	1.8	24.6	1260
3 x 35 rm	7 x 2.52	1.2	1.8	27.0	1620
3 x 25 / 16 rm	7 x 2.14 7 x 1.70	1.2 1.0	1.8	26.2	1470
3 x 35 / 16 rm	7 x 2.52 7 x 1.70	1.2 1.0	1.8	28.0	1800
4 x 1.5 re	1 x 1.38	0.8	1.8	13.0	250
4 x 1.5 rm	7 x 0.53	0.8	1.8	13.4	260
4 x 2.5 re	1 x 1.78	0.8	1.8	14.0	310
4 x 2.5 rm	7 x 0.67	0.8	1.8	14.5	325
4 x 4 re	1 x 2.26	1.0	1.8	15.6	430
4 x 4 rm	7 x 0.85	1.0	1.8	16.6	448

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Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
4 x 6 re	1 x 2.78	1.0	1.8	16.8	540
4 x 6 rm	7 x 1.04	1.0	1.8	18.0	560
4 x 10 re	1 x 3.57	1.0	1.8	18.8	740
4 x 10 rm	7 x 1.35	1.0	1.8	20.3	760
4 x 16 rm	7 x 1.70	1.0	1.8	22.8	1060
4 x 25 rm	7 x 2.14	1.2	1.8	25.5	1580
4 x 35 rm	7 x 2.52	1.2	1.8	27.8	2060
5 x 1.5 re	1 x 1.38	0.8	1.8	13.7	280
5 x 1.5 rm	7 x 0.53	0.8	1.8	14.1	296
5 x 2.5 re	1 x 1.78	0.8	1.8	14.8	364
5 x 2.5 rm	7 x 0.67	0.8	1.8	15.3	378
5 x 4 re	1 x 2.26	1.0	1.8	17.2	492
5 x 4 rm	7 x 0.85	1.0	1.8	17.9	512
5 x 6 re	1 x 2.78	1.0	1.8	18.6	628
5 x 6 rm	7 x 1.04	1.0	1.8	19.4	644
5 x 10 re	1 x 3.57	1.0	1.8	20.7	892
5 x 10 rm	7 x 1.35	1.0	1.8	22.0	922
5 x 16 rm	7 x 1.70	1.0	1.8	24.8	1296
5 x 25 rm	7 x 2.14	1.2	1.9	29.5	1930

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
2 x 1.5	30 x 0.25	0.8	1.8	10.0	134
2 x 2.5	50 x 0.25	0.8	1.8	11.0	174
2 x 4	56 x 0.30	1.0	1.8	12.0	221
2 x 6	84 x 0.30	1.0	1.8	13.2	284
2 x 10	80 x 0.40	1.0	1.8	15.8	460
2 x 16	126 x 0.40	1.0	1.8	17.8	660
2 x 25	196 x 0.40	1.2	1.8	25.4	1150
2 x 35	278 x 0.40	1.2	1.8	28.0	1470
2 x 50	398 x 0.40	1.4	2.0	32.5	1990
3 x 1.5	30 x 0.25	0.8	1.8	10.5	132
3 x 2.5	50 x 0.25	0.8	1.8	11.5	204
3 x 4	56 x 0.30	1.0	1.8	12.7	270
3 x 6	84 x 0.30	1.0	1.8	14.0	360



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Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
3 x 10	80 x 0.40	1.0	1.8	16.8	540
3 x 16	126 x 0.40	1.0	1.8	19.0	756
3 x 25	196 x 0.40	1.2	1.8	26.0	1350
3 x 35	278 x 0.40	1.2	1.9	30.0	1790
3 x 25 / 16	196 x 0.40 126 x 0.40	1.2 1.0	1.9	28.0	1520
3 x 35 / 16	278 x 0.40 126 x 0.40	1.2 1.0	2.0	31.0	1940
4 x 1.5	30 x 0.25	0.8	1.8	11.3	185
4 x 2.5	50 x 0.25	0.8	1.8	12.4	246
4 x 4	56 x 0.30	1.0	1.8	13.8	325
4 x 6	84 x 0.30	1.0	1.8	15.2	425
4 x 10	80 x 0.40	1.0	1.8	18.4	670
4 x 16	126 x 0.40	1.0	1.8	20.8	950
4 x 25	196 x 0.40	1.2	1.9	29.0	1670
4 x 35	278 x 0.40	1.2	2.0	32.6	2220
5 x 1.5	30 x 0.25	0.8	1.8	12.3	226
5 x 2.5	50 x 0.25	0.8	1.8	13.5	300
5 x 4	56 x 0.30	1.0	1.8	15.0	434
5 x 6	84 x 0.30	1.0	1.8	16.6	564
5 x 10	80 x 0.40	1.0	1.8	20.4	845
5 x 16	126 x 0.40	1.0	1.8	23.6	1190
5 x 25	196 x 0.40	1.2	1.9	32.4	2110
5 x 35	278 x 0.40	1.2	2.2	36.2	2710

PVC insulated, PVC sheathed, multi core control cable, 0.6/1 kV



CU / PVC / PVC

Application:

- For industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected, in underground, in water, indoors and in cable ducts.

Standard:

- VDE 0271
- IEC 60502-1
- ISIRI 3569-1

Construction:

- Plain annealed copper conductor, class 1 or 2*.
- PVC insulation, type A.
- Cores twisted together, if necessary in concentric layers.
- PVC inner covering.
- PVC sheath, type ST1.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 70°C.
- Code designation: NYY-JZJ-OZ.

*: Class 5 can be supplied upon request.

PVC insulated, PVC sheathed, multi core control cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
5 x 1.5 re	1 x 1.38	0.8	1.8	13.6	290
6 x 1.5 re	1 x 1.38	0.8	1.8	14.5	335
7 x 1.5 re	1 x 1.38	0.8	1.8	14.5	340
10 x 1.5 re	1 x 1.38	0.8	1.8	17.8	460
12 x 1.5 re	1 x 1.38	0.8	1.8	18.3	515
16 x 1.5 re	1 x 1.38	0.8	1.8	19.6	635
19 x 1.5 re	1 x 1.38	0.8	1.8	22.6	715
20 x 1.5 re	1 x 1.38	0.8	1.8	22.4	810
24 x 1.5 re	1 x 1.38	0.8	1.8	24.0	880
27 x 1.5 re	1 x 1.38	0.8	1.8	24.2	960
30 x 1.5 re	1 x 1.38	0.8	1.8	24.8	1030
34 x 1.5 re	1 x 1.38	0.8	1.8	26.6	1230
37 x 1.5 re	1 x 1.38	0.8	1.9	26.8	1270
48 x 1.5 re	1 x 1.38	0.8	2.0	31.5	1660
52 x 1.5 re	1 x 1.38	0.8	2.0	33.0	1720
61 x 1.5 re	1 x 1.38	0.8	2.1	34.7	1930
5 x 1.5 rm	7 x 0.53	0.8	1.8	14.1	295
6 x 1.5 rm	7 x 0.53	0.8	1.8	15.1	345
7 x 1.5 rm	7 x 0.53	0.8	1.8	15.1	350
10 x 1.5 rm	7 x 0.53	0.8	1.8	18.2	473
12 x 1.5 rm	7 x 0.53	0.8	1.8	18.7	530
16 x 1.5 rm	7 x 0.53	0.8	1.8	20.5	650
19 x 1.5 rm	7 x 0.53	0.8	1.8	21.5	730
20 x 1.5 rm	7 x 0.53	0.8	1.8	23.0	820
24 x 1.5 rm	7 x 0.53	0.8	1.8	24.8	900
27 x 1.5 rm	7 x 0.53	0.8	1.8	25.4	980
30 x 1.5 rm	7 x 0.53	0.8	1.8	26.2	1050
34 x 1.5 rm	7 x 0.53	0.8	1.9	28.0	1250
37 x 1.5 rm	7 x 0.53	0.8	2.0	28.2	1290
48 x 1.5 rm	7 x 0.53	0.8	2.0	32.0	1680
52 x 1.5 rm	7 x 0.53	0.8	2.1	33.5	1740
61 x 1.5 rm	7 x 0.53	0.8	2.1	35.4	1960
5 x 2.5 re	1 x 1.78	0.8	2.3	14.8	370
6 x 2.5 re	1 x 1.78	0.8	1.8	16.0	420
7 x 2.5 re	1 x 1.78	0.8	1.8	16.0	440



PVC insulated, PVC sheathed, multi core control cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm ²	mm	mm	mm	mm	kg/km
10 x 2.5 re	1 x 1.78	0.8	1.8	19.6	610
12 x 2.5 re	1 x 1.78	0.8	1.8	20.2	675
16 x 2.5 re	1 x 1.78	0.8	1.8	22.0	845
19 x 2.5 re	1 x 1.78	0.8	1.8	23.1	965
20 x 2.5 re	1 x 1.78	0.8	1.8	25.0	1050
24 x 2.5 re	1 x 1.78	0.8	1.8	27.6	1240
27 x 2.5 re	1 x 1.78	0.8	1.8	27.6	1310
30 x 2.5 re	1 x 1.78	0.8	1.9	28.4	1420
34 x 2.5 re	1 x 1.78	0.8	2.0	30.6	1710
37 x 2.5 re	1 x 1.78	0.8	2.0	30.6	1760
48 x 2.5 re	1 x 1.78	0.8	2.1	35.2	2250
52 x 2.5 re	1 x 1.78	0.8	2.1	36.0	2380
61 x 2.5 re	1 x 1.78	0.8	2.2	37.2	2730
5 x 2.5 rm	7 x 0.67	0.8	1.8	15.2	375
6 x 2.5 rm	7 x 0.67	0.8	1.8	16.4	430
7 x 2.5 rm	7 x 0.67	0.8	1.8	16.4	450
10 x 2.5 rm	7 x 0.67	0.8	1.8	20.0	620
12 x 2.5 rm	7 x 0.67	0.8	1.8	20.6	690
16 x 2.5 rm	7 x 0.67	0.8	1.8	22.6	860
19 x 2.5 rm	7 x 0.67	0.8	1.8	23.7	980
20 x 2.5 rm	7 x 0.67	0.8	1.8	25.6	1070
24 x 2.5 rm	7 x 0.67	0.8	1.8	28.2	1260
27 x 2.5 rm	7 x 0.67	0.8	1.8	28.2	1330
30 x 2.5 rm	7 x 0.67	0.8	1.9	29.2	1440
34 x 2.5 rm	7 x 0.67	0.8	2.0	31.4	1730
37 x 2.5 rm	7 x 0.67	0.8	2.1	31.6	1780
48 x 2.5 rm	7 x 0.67	0.8	2.1	36.4	2280
52 x 2.5 rm	7 x 0.67	0.8	2.2	37.5	2410
61 x 2.5 rm	7 x 0.67	0.8	2.2	39.4	2760