



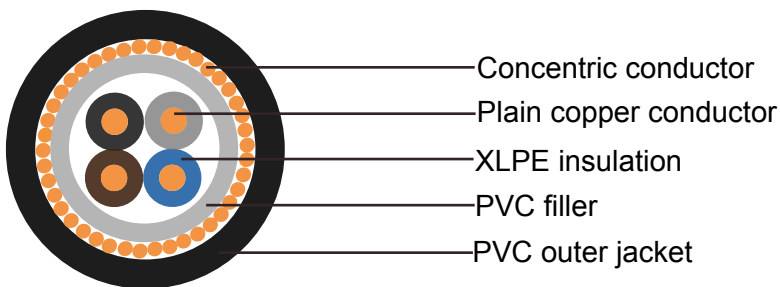
N2XCY

Application and Description

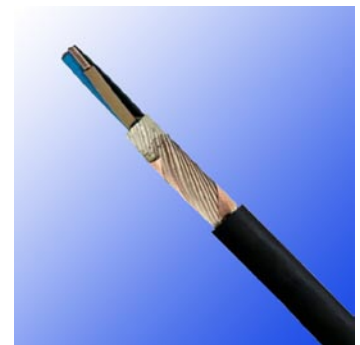
In indoor installation, in cable ducts outdoor and underground for power station, industrial plants and switching as well as local supply systems. Used for indoor installations for wiring of apparatus panels and switch board. Not to be used outdoors or in wet surroundings.

Standard and Approval

IEC 60502 -1, VDE 0276-603



N2XCY



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Cable Construction

- Solid or stranded, plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- XLPE insulation type DIX3 acc. to VDE 0276-603/5G
- Color coded to DIN VDE 0293(HD 308)
- PVC filler
- Concentric conductor: Copper wires and copper tapes
- PVC outer jacket DMV5 to HD 603.1



Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Minimum bending radius: 15 x Ø
- Flexing temperature: -5° C to +70° C
- Fixed installation temperature: - 30° C to +70° C
- Short circuit temperature: +250° C
- Flame retardant: IEC 60332.1
- Insulation resistance: >20 MΩ x km

Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Conductor Type	Thickness of insulation mm	Thickness of sheath mm	Concentric conductor size mm ²	Nominal Overall Diameter mm	Cable Weight kg / km
16	1x1.5	re/rm	0.7	1.8	1.5	9.7	114
14	1x2.5	re/rm	0.7	1.8	2.5	10.2	135
12	1x4	re/rm	0.7	1.8	4	10.8	170
10	1x6	re/rm	0.7	1.8	6	11.3	214
8	1x10	re/rm	0.7	1.8	10	12.4	304
6	1x16	re/rm	0.7	1.8	16	13.8	431
4	1x25	rm	0.9	1.8	16	15.5	548
2	1x35	rm	0.9	1.8	16	16.6	650
1	1x50	rm	1	1.8	25	18.8	892
2/0	1x70	rm	1.1	1.8	35	21.0	1207
3/0	1x95	rm	1.1	1.8	50	23.5	1600
4/0	1x120	rm	1.2	1.8	70	26.0	2045
300mcm	1x150	rm	1.4	1.8	70	28.0	2320
350mcm	1x185	rm	1.6	1.8	95	30.5	2942
500mcm	1x240	rm	1.7	1.9	120	34.0	3761
750mcm	1x300	rm	1.8	2.1	150	37.0	4591
-	1x400	rm	2	2	185	41.5	5830
-	1x500	rm	2.2	2.3	240	46.0	7450
-	1x630	rm	2.4	2.5	300	52.0	9561
-	1x800	rm	0.7	1.8	400	58.0	12290
16	2x1.5	re/rm	0.7	1.8	1.5	13.0	198
14	2x2.5	re/rm	0.7	1.8	2.5	13.9	239
12	2x4	re/rm	0.7	1.8	4	15.0	304
10	2x6	re/rm	0.7	1.8	6	16.2	384
8	2x10	rm	0.7	1.8	10	18.1	546
6	2x16	rm	0.7	1.8	16	21.0	766
4	2x25	rm	0.9	1.8	16	24.0	1030
2	2x35	rm	0.9	1.8	16	26.0	1283



German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Conductor Type	Thickness of insulation mm	Thickness of sheath mm	Concentric conductor size mm ²	Nominal Overall Diameter mm	Cable Weight kg / km
1	2x50	rm	1	1.9	25	29.5	1631
2/0	2x70	rm	1.1	2	35	33.0	2247
3/0	2x95	rm	1.1	2.2	50	37.5	3028
4/0	2x120	rm	1.2	2.3	70	42.0	3817
300mcm	2x150	rm	1.4	2.5	70	46.0	4526
350mcm	2x185	rm	1.6	2.6	95	51.0	5694
500mcm	2x240	rm	1.7	2.8	120	57.0	7302
750mcm	2x300	rm	1.8	3.1	150	63.0	9049
16	3x1.5	re/rm	0.7	1.8	1.5	13.5	218
14	3x2.5	re/rm	0.7	1.8	2.5	14.5	270
12	3x4	re/rm	0.7	1.8	4	15.7	348
10	3x6	re/rm	0.7	1.8	6	16.9	446
8	3x10	rm	0.7	1.8	10	19.0	645
6	3x16	rm	0.7	1.8	16	22.0	916
4	3x25	rm	0.9	1.8	16	25.0	1260
2	3x35	rm	0.9	1.8	16	27.5	1597
1	3x50	sm	1	1.9	25	30.0	1919
2/0	3x70	sm	1.1	1.9	35	34.0	2697
3/0	3x95	sm	1.1	2	50	37.5	3608
4/0	3x120	sm	1.2	2.2	70	41.5	4531
300mcm	3x150	sm	1.4	2.3	70	46.5	5459
350mcm	3x185	sm	1.6	2.5	95	51.0	6820
500mcm	3x240	sm	1.7	2.6	120	57.5	8834
750mcm	3x300	sm	1.8	2.8	150	62.5	10899
16	4x1.5	re/rm	0.7	1.8	1.5	14.3	250
14	4x2.5	re/rm	0.7	1.8	2.5	15.4	315
12	4x4	re/rm	0.7	1.8	4	16.8	406
10	4x6	re/rm	0.7	1.8	6	18.1	523
8	4x10	rm	0.7	1.8	10	20.5	772
6	4x16	rm	0.7	1.8	16	23.5	1100
4	4x25	rm	0.9	1.8	16	27.5	1541
2	4x35	rm	0.9	1.9	16	30.0	1976
1	4x50	sm	1	2	25	33.5	2428
2/0	4x70	sm	1.1	2.1	35	38.5	3418
3/0	4x95	sm	1.1	2.2	50	42.5	4583
4/0	4x120	sm	1.2	2.4	70	48.0	5807
300mcm	4x150	sm	1.4	2.5	70	54.0	6992
350mcm	4x185	sm	1.6	2.7	95	58.5	8704
500mcm	4x240	sm	1.7	2.8	120	65.5	11283
750mcm	4x300	sm	1.8	3	150	71.5	13920
16	5x1.5	re/rm	0.7	1.8	1.5	15.2	291
14	5x2.5	re/rm	0.7	1.8	2.5	16.4	365
12	5x4	re/rm	0.7	1.8	4	17.9	476
10	5x6	re/rm	0.7	1.8	6	19.5	617
8	5x10	rm	0.7	1.8	10	22.5	909
6	5x16	rm	0.7	1.8	16	25.5	1300
4	5x25	rm	0.9	1.8	16	29.5	1844
2	5x35	rm	0.9	1.9	16	32.5	2390
1	5x50	rm	1.1	2.2	25	37.0	3120