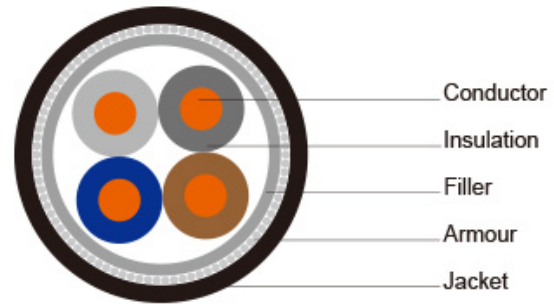


German Standard Industrial Cables N2XRY



Application and Description

N2XRY is used for indoor, outdoor and underground installation in ducts and in the open where better mechanical protection is required, or for higher tensile stress during installation and operation. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

Standard and Approval

IEC 60502-1, VDE 0276-604, BS5467

Cable Construction

- 1- 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
- 2- Cross-linked polyethylene 2X11 acc. to VDE 0276-604
 - Color coded to DIN VDE 0293(HD 308)
 - PVC filler
- 4- Galvanized round steel / aluminum wire armour
- 5- PVC outer jacket DMV5 to HD 603.1

Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 3500 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 MM²	CONDUCTOR TYPE	THICKNESS OF INSULATION MM	THICKNESS OF SHEATH MM	NOMINAL OVERALL DIAMETER MM	CABLE WEIGHT KG / KM
4	1x25	rm	0.9	1.8	16.6	503
2	1x35	rm	0.9	1.8	17.7	612
1	1x50	rm	1	1.8	19.5	783
2/0	1x70	rm	1.1	1.8	21.5	1014
3/0	1x95	rm	1.1	1.8	23.5	1280

4/0	1x120	rm	1.2	1.8	26.0	1575
300mcm	1x150	rm	1.4	1.8	27.5	1872
350mcm	1x185	rm	1.6	1.8	30.0	2294
500mcm	1x240	rm	1.7	1.9	33.0	2923
750mcm	1x300	rm	1.8	2.1	36.0	3509
-	1x400	rm	2	2	40.5	4534
-	1x500	rm	2.2	2.3	45.0	5691
-	1x630	rm	2.4	2.5	49.5	7267
-	1x800	rm	0.7	1.8	56.5	9271
16	2x1.5	re/rm	0.7	1.8	13.6	325
14	2x2.5	re/rm	0.7	1.8	14.5	379
12	2x4	re/rm	0.7	1.8	15.7	448
10	2x6	re/rm	0.7	1.8	16.8	530
8	2x10	rm	0.7	1.8	19.4	783
6	2x16	rm	0.7	1.8	22.0	982
4	2x25	rm	0.9	1.8	25.5	1447
2	2x35	rm	0.9	1.8	28.0	1765
1	2x50	rm	1	1.9	30.5	2106
2/0	2x70	rm	1.1	2	35.0	2765
3/0	2x95	rm	1.1	2.2	39.5	3746
4/0	2x120	rm	1.2	2.3	43.5	4465
300mcm	2x150	rm	1.4	2.5	47.5	5303
350mcm	2x185	rm	1.6	2.6	54.0	6890
500mcm	2x240	rm	1.7	2.8	59.5	8463
750mcm	2x300	rm	1.8	3.1	65.0	10151
16	3x1.5	re/rm	0.7	1.8	14.1	351
14	3x2.5	re/rm	0.7	1.8	15.1	415
12	3x4	re/rm	0.7	1.8	16.3	503
10	3x6	re/rm	0.7	1.8	17.5	603
8	3x10	rm	0.7	1.8	20.5	903
6	3x16	rm	0.7	1.8	23.0	1161
4	3x25	rm	0.9	1.8	27.0	1709
2	3x35	rm	0.9	1.8	29.5	2127
1	3x50	sm	1	1.9	31.5	2424
2/0	3x70	sm	1.1	1.9	36.5	3438
3/0	3x95	sm	1.1	2	40.0	4343
4/0	3x120	sm	1.2	2.2	43.5	5172
300mcm	3x150	sm	1.4	2.3	49.5	6675

350mcm	3x185	sm	1.6	2.5	54.0	7977
500mcm	3x240	sm	1.7	2.6	60.0	9995
750mcm	3x300	sm	1.8	2.8	65.0	11990
16	4x1.5	re/rm	0.7	1.8	14.9	395
14	4x2.5	re/rm	0.7	1.8	16.0	470
12	4x4	re/rm	0.7	1.8	17.4	575
10	4x6	re/rm	0.7	1.8	19.5	798
8	4x10	rm	0.7	1.8	22.0	1058
6	4x16	rm	0.7	1.8	25.5	1518
4	4x25	rm	0.9	1.8	29.0	2055
2	4x35	rm	0.9	1.9	32.0	2585
1	4x50	sm	1	2	35.5	3040
2/0	4x70	sm	1.1	2.1	41.0	4305
3/0	4x95	sm	1.1	2.2	45.0	5476
4/0	4x120	sm	1.2	2.4	51.5	7064
300mcm	4x150	sm	1.4	2.5	57.5	8536
350mcm	4x185	sm	1.6	2.7	61.5	10189
500mcm	4x240	sm	1.7	2.8	68.0	12772
750mcm	4x300	sm	1.8	3	73.5	15380
16	5x1.5	re/rm	0.7	1.8	15.8	441
14	5x2.5	re/rm	0.7	1.8	17.0	535
12	5x4	re/rm	0.7	1.8	19.3	768
10	5x6	re/rm	0.7	1.8	21.0	921
8	5x10	rm	0.7	1.8	23.5	1235
6	5x16	rm	0.7	1.8	27.0	1765
4	5x25	rm	0.9	1.8	31.5	2423
2	5x35	rm	0.9	1.9	34.5	3057
1	5x50	rm	1.1	2.2	40.0	4099