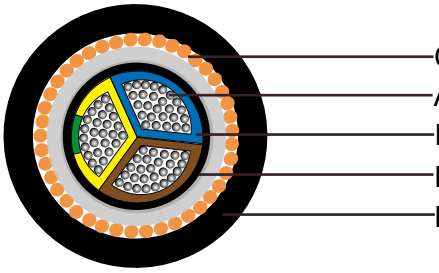
NAYCY

Application and Description

NAYCY is used in power plants, industrial and switching installations, for street lighting, domestic power supply connections, in secondary distribution networks and other. These cables are preferentially used for underground application as well as for interior installation in room and cable ducts and for outdoor and applications, for indoor installations, in the open air, underground and in water where greater mechanical protection against accidental contact is required if damaged

Standard and Approval

VDE 0276 part 603, IEC 60502



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Cable Construction

- Aluminium Conductor
- VDE 0295 cl. 1 or cl. 2 (round and sector shaped), BS 6360/IEC 60228 cl. 1 or cl. 2
- PVC insulation type DIV4 acc. VDE0276
- Color coded to DIN VDE 0293
- Tapes and PVC compound inner sheath
- Concentric conductor: Copper wires and copper tapes
- PVC outer sheath type DMV5 acc. VDE 0276

Technical Data

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Minimum bending radius: 12 x Ø
- Flexing temperature: -5º C to +50º C
- Fixed installation temperature: - 30º C to +70º C
- Short circuit temperature: +160º C
- Flame-retardant to DIN VDE 0472 part 804 class B/IEC 60332-1
- Insulation resistance: >20 MΩ x km

Cable Parameter

AWG	No. of Core and Nominal Cross Sectional # x mm²	Stranded Conductor Type	Concentric conductor size mm²	Nominal Overall Diameter mm	Aluminium weight kg/km	Copper weight kg/km	Nominal Cable Weight kg/km
2	3 x 35.0	re	35	27.9	291	230	1143
1	3 x 50.0	re	50	31.5	392	335	1522
2/0	3 x 70.0	se	70	33.1	567	456	1675
3/0	3 x 95.0	se	95	36.9	785	665	2247
4/0	3 x 120.0	se	120	40.0	993	849	2715
2/0	3 x 70.0	sm	35	33.1	584	236	1489
2/0	3 x 70.0	sm	70	34.1	584	413	1648
3/0	3 x 95.0	sm	50	37.7	809	296	1974
3/0	3 x 95.0	sm	95	38.7	809	580	2253
4/0	3 x 120.0	sm	70	40.2	1023	432	2381
4/0	3 x 120.0	sm	120	40.9	1023	694	2654
300mcm	3 x 150.0	sm	70	44.2	1257	432	2798
300mcm	3 x 150.0	sm	150	45.4	1257	804	3164
350mcm	3 x 185.0	sm	95	48.6	1579	580	3498