

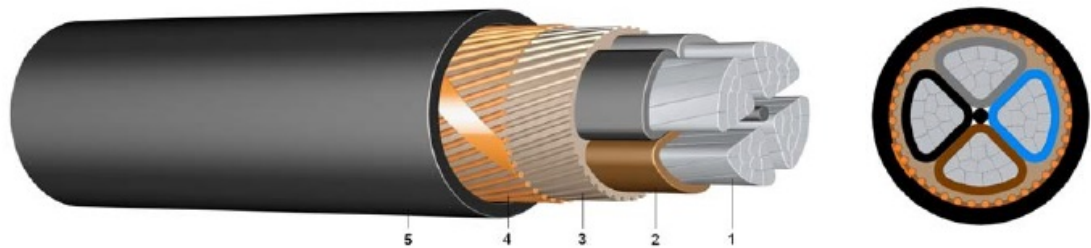
NAYCWY Eca

Power cable, 0,6/1 kV
+70 °C service temperature, with concentric copper conductor, UV resistant
DIN VDE 0276-603, IEC 60502-1 and EN 50575

Application

Power cable with aluminium conductor and concentric copper conductor. For fixed installation indoors and outdoors, in ground, in water, in concrete and in cable ducts where mechanical damage is not expected.

Construction



1. Conductor: Aluminium conductor, solid (class 1) or stranded (class 2)
2. Insulation: XLPE
Core identification: according to HD 308 S2
3. Core covering: Tape or filler
4. Concentric conductor: Bare copper wires with counter helix of copper tape
5. Outer sheath: PVC, black

Technical information

Rated voltage	U ₀ /U	0,6/1 kV
Max. permissible temperature at conductor		70 °C
Max. short circuit temperature of the conductor		160 °C (max, 5 sec)
Min. operating temperature	fixed installation	-40 °C
Min. temperature during installation		-5 °C
Min. bending radius mm	fixed installation	12 x outer diameter in mm

Safety parameters

Reaction to fire		EN 50399 E _{ca}
Flame spread	single cable	IEC 60332-1-2

Additional parameters

UV resistant

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N° of cores and cross section mm ²	Average insulation thickness mm	Average outer sheath thickness mm	Outer diameter approx. mm	Weight approx. kg/km
3 x 25rm /16	1,2	1,8	26,6	1046
3 x 50sm /25	1,4	2,0	29,4	1283
3 x 50se /50	1,4	2,0	30,0	1170
3 x 70se /70	1,4	2,1	36,0	1670
3 x 95sm /50	1,6	2,2	38,1	2136
3 x 95se /95	1,6	2,3	41,0	2230
3 x 120sm /70	1,6	2,3	40,8	2612
3 x 120se /120	1,6	2,4	43,0	2670
3 x 150sm /120	1,8	2,6	44,9	3019
3 x 150se /150	1,8	2,6	47,0	3230
3 x 185se /185	2,0	2,8	52,0	4020
3 x 240se /120	2,2	3,0	52,0	4500
3 x 240se /240	2,2	3,0	58,0	5350
4 x 16re /16	1,2	1,8	22,0	950
4 x 25rm /16	1,2	1,8	26,0	1150
4 x 25re /16	1,2	1,8	26,0	1150
4 x 35re /16	1,2	1,8	27,0	1200
4 x 50re /25	1,4	2,0	33,0	1600
4 x 50se /25	1,4	2,0	31,0	1600
4 x 50sm /25	1,4	2,0	31,0	1600
4 x 70se /35	1,4	2,1	35,0	2250
4 x 70sm /35	1,4	2,1	36,5	2250
4 x 95se /50	1,6	2,3	40,0	2900
4 x 95sm /50	1,6	2,3	42,0	2900
4 x 120se /70	1,6	2,4	42,5	3500
4 x 120sm /70	1,6	2,4	45,0	3500
4 x 150se /70	1,8	2,6	46,5	4200
4 x 150sm /70	1,8	2,6	50,0	4200
4 x 185se /95	2,0	2,8	53,0	4950
4 x 185sm /95	2,0	2,8	57,0	4950
4 x 240se /120	2,2	3,0	60,0	5600
4 x 240sm /120	2,2	3,0	64,0	5600

Specified cross-section of copper concentric conductor corresponds to requirements of value of maximum aluminum conductor resistance for appropriate cross-section.

RE = round solid, class 1

RM = round stranded, class 2

SE = sector-shaped solid, class 1

SM = sector-shaped stranded, class 2

La version française de cette fiche technique est disponible sur demande,
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar,