ELTEC A.G. S.A. N.V.

Kabel und Leitungen · fils et câbles · kabels en draden · cables and wires

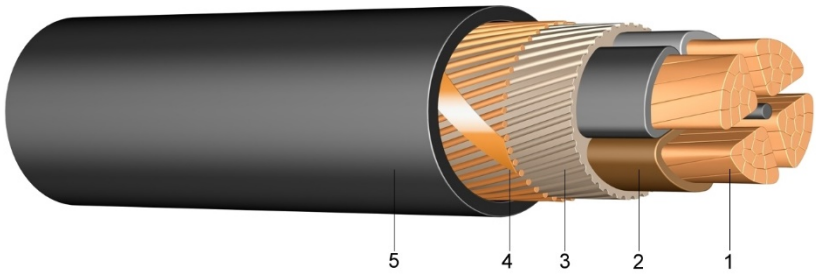
NYCWY E_{ca}

Power and control cable, 0,6/1 kV
+70 °C service temperature, with concentric copper conductor, UV resistant
DIN VDE 0276-603, IEC 60502-3 and EN 50575

Application

Power and control cable with 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: Copper conductor, bare, 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
Test voltage		4 kV
Max. permissible temperature at conductor		70 °C
Min. operating temperature without mechanical stress		-40 °C
Min. installation temperature		-5 °C
Min. bending radius mm		12 x outer diameter in mm

Safety parameters

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

Issue 26.02.2021

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N° of cores and cross section mm²	Average insulation thickness mm	Average outer sheath thickness mm	Outer diameter approx. mm	Weight approx. kg/km
2 x 10 RE/10	1,0	1,8	19	610
2 x 16 RE/16	1,0	1,8	21	840
3 x 10 RE/10	1,0	1,8	20	790
3 x 16 RE/16	1,0	1,8	22	1100
3 x 25 RM/25	1,2	1,8	28	1650
3 x 35 SM/35	1,2	1,8	27	1900
3 x 50 SM/50	1,4	1,9	31	2500
3 x 70 SM/70	1,4	2,0	34	3450
3 x 95 SM/95	1,6	2,2	39	4600
3 x 120 SM/120	1,6	2,3	43	5600
3 x 150 SM/150	1,8	2,4	47	6900
3 x 25 RM/16	1,2	1,8	27	1550
3 x 35 RM/16	1,2	1,8	26	1700
3 x 50 SM/25	1,4	1,9	30	2300
3 x 70 SM/35	1,4	2,0	34	3100
3 x 95 SM/50	1,6	2,2	39	4150
3 x 120 SM/70	1,6	2,3	41	5100
3 x 150 SM/70	1,8	2,4	46	6150
3 x 185 SM/95	2,0	2,6	50	7650
3 x 240 SM/120	2,2	2,8	59	10000
4 x 10 RE/10	1,0	1,8	22	920
4 x 16 RE/16	1,0	1,8	24	1200
4 x 25 RM/25	1,2	1,8	30	1950
4 x 25 RM/16	1,2	1,8	29	1850
4 x 35 SM/16	1,2	1,8	29	2150
4 x 50 SM/25	1,4	2,0	34	2900
4 x 70 SM/35	1,4	2,1	38	3900
4 x 95 SM/50	1,6	2,3	43	5250
4 x 120 SM/70	1,6	2,4	47	6550
4 x 150 SM/70	1,8	2,6	51	7800
4 x 185 SM/95	2,0	2,8	57	9750
4 x 240 SM/120	2,2	3,0	63	12500

RE = round solid, class 1
RM = round stranded, class 2
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.

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