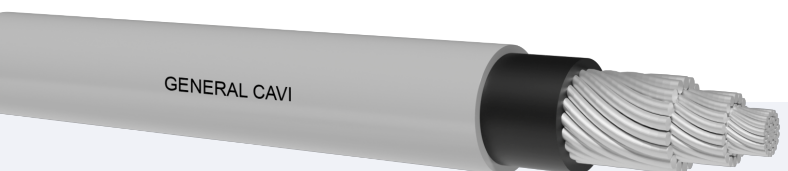


ARE4E(X) 0.6/1kV

CAVI UNIPOLARI O AD ELICA VISIBILE PER
POSA INTERRATA OMOLOGATI ENEL DC
4147

Model Product: 287 - 20161020



Aluminium rigid compact conductor, class 2.
XLPE Insulation quality DIX3
Thermoplastic sheath, DMO1

STANDARDS

ENEL DC 4147 HD 603 HD 605 EN 60228 EN 60811 EN
60332-2-1

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 2)

COMMON FEATURES

Underground installation cable for distribution of electricity with a voltage U_0
/ $U = 0.6 / 1$ kV

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 6D
Maximum pulling stress: 50 N/mm²

PACKING

Drums to agree

LV CABLE ALUMINIUM SINGLE CORE AND TRIPLEX
ASSEMBLY FOR LAYING UNDERGROUND

Nominal voltage U_0 : 600 V

Nominal voltage U : 1000 V

Test voltage: 4000 V

Maximum voltage U_m : 1200 V

Maximum operating temperature: 85°C

Maximum short circuit temperature: 250°C

Minimum installation and laying temperature: 0°C

Min. operating temperature (without mechanical shocks): -15°C

CORE COLOURS

Single core: black

SHEATH COLOUR

Grey

INK MARKING

General Cavi
complete description of the cable
last two digits of the year of production
Single core
ENEL ARE4*E-0,6/1 kV 50 XXXXX B 01 2006 12 0000
Triplex Assembly
phase 1:
ENEL ARE4*EX-0,6/1 kV 95 XXXXX B 01 2008 12 0000 FASE 1 FASE 1
....
phase 2 o 3:
ENEL ARE4*EX-0,6/1 kV 95 XXXXX B 01 2008 12 FASE x FASE x

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ARE4E 0,6/1kV

Formation	Nominal Section	Approx conductor diameter	Insulation thickness	Approx external diameter	Approx cable weight	Electric Resistace 20°C	Current carrying capacities				Thermal Current Short Circuit
							Flat in air	In pipe	directly buried	In pipe burried	
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)	(A)	(A)	(kA)
Single core											
1x	50	8.6	1.0	14.0	250	0.641	164	131	167	134	4.3
1x	95	12	1.1	17.5	440	0.320	261	209	245	196	8.9
1x	150	15	1.4	21.5	625	0.260	350	280	313	250	13
1x	240	19.2	1.7	27	977	0.125	490	392	413	331	23
Conductor Number	Nominal Section	Current carrying capacities				Thermal Current Short Circuit					
		in air	in pipe air	Flat in ground	Pipe In ground						
(N°)	(mmq)	(A)	(A)	(A)	(A)	(kA)					
Three cores											
3x	95+50N	239	210	245	195	4.6					
3x	150+95N	318	280	305	245	8.4					
3x	240+150N	425	375	405	325	13.8					