ARE4*RX

APPLICATION

Underground Cables with aluminum conductors, XLPE insulation and PVC sheath 0.6/1 kV

CHARACTERISTICS

Reference standard
DC 4146 RO, SR CEI 60502-1

Rated voltage U0/U(Um)
0.6/1(1.2) kV

Test voltage
3.5 kV, 50 Hz, for 5 minutes

Maximum conductor temperature
In normal operation: +90°C
In short-circuit (max 5 s): +250°C

Ambiental temperature
During installation: -10°C....+40°C
In use: -40°C....+90°C
* UV resistant cables

Minimum bending radius at installation
12 x cable diameter

Packaging
Wooden drums

CONSTRUCTION

Aluminum conductor
Aluminum conductors multiwire class2 (RM) according SR EN 60228

Insulation
Cross linked polyethylene (XLPE) natural/black

Outer Sheath
PVC grey

Laying up
Insulated conductors are twisted according DC 4146 RO-2

Markings and inscriptions
Marking and identification according to DC 4146 RO-3

Marking Exemples: Cable Type II
Phase 1: e-distributie ARE4*RX -0,6/1 Kv CROSS SECTION PGA ELECTRIC B 01 YEAR MONTH LENGTH FASE 1...FASE 1
Phase 2 si 3: e-distributie ARE4*RX -0,6/1 kV CROSS SECTION PGA ELECTRIC B 01 YEAR MONTH FASE 2 or 3...FASE 2 or 3
Neutral: e-distributie ARE4*RX -0,6/1 kV CROSS SECTION PGA ELECTRIC B 01 YEAR MONTH

UTILISATION

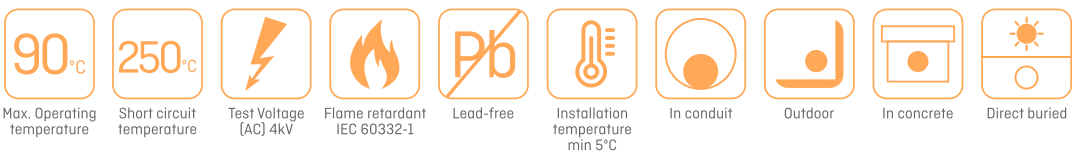
The cables are intended for the use of electricity in fixed electrical installations.

CONDUCTORS CHARACTERISTICS

CONDUCTOR CROSS SECTION	ELECTRICAL RESISTANCE, 20°C (0hm/km)	MINIMUM NUMBER OF WIRES IN CONDUCTOR	CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS TYPE I AND II (mm)	SEATH NOMINAL THICKNESS TYPE I AND II (mm)
Aluminium Conductors					
50 RM	0.641	6	8.3	1	1.3
95 RM	0.320	15	11.7	1.1	1.4
150 RM	0.206	15	14.2	1.4	1.4
240 RM	0,125	30	18.2	1.7	1.5

CABLES CHARACTERISTICS

PGA CODE	NUMBER OF PHASES X CROSS SECTION (mm^2)	MASS INFORMATIVE (kg/km)	EXTERNAL DIAMETER (mm)	CARRING CAPACITY (A)			
				IN AIR	IN TUBE	UNDERGROUND DIRECTLY	UNDERGROUND TUBE
Cables type II							
PGA013901	3x95 RM + 1x50 RM	1.500	42	239	210	245	195
PGA013994	3x150 RM+1x95 RM	2.200	50	318	280	305	345
PGA041570	3x240 RM+1x150 RM	3.350	62	425	375	405	325



Max. Operating temperature | Short circuit temperature | Test Voltage (AC) 4kV | Flame retardant IEC 60332-1 | Lead-free | Installation temperature min 5°C | In conduit | Outdoor | In concrete | Direct buried

MADE IN ROMANIA