ARE4*RX

Cabluri ingropate cu conductori de aluminiu, Izolatie din XLPE si manta din PVC 0.6.1 kV

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

CARACTERISTICI

Standarde de referinta: DC 4146 RO, SR CEI 60502-1
Tensiune nominala U0/U(Um): 0.6/1(1.2) kV
Tensiunea de incercare: 3.5kV, 50 Hz, timp de 5 minute.
Temp. maxima conductorului in functionare normala: +90°C
Temp. maxima a conductorului in scurt-circuit(max.5 s): +250°C
Temperatura mediului ambient:
- la pozare: -10°C....+40°C
- in exploatare: -40°C....+90°C
* Cablurile sunt cu rezistenta la UV
Raza minima de curbura la instalare: 12 x diametru cablului
Modalitate de ambalare: Colaci de min.50 m lungime sau tamburi

CARACTERISTICS

Reference standards: 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
Max. conductor temperature in short-circuit (max 5 s):+250°C
Ambiental temperature:
- during instalation: -10°C....+40°C
- in use: -40°C....+90°C
* UV resistant cables
Min. bending radius at installation: 12 x cable diameter
Packaging: Coils of min. 50 m length or drums

DOMENIU DE UTILIZARE

Cablurile sunt destinate pentru utilizarea energiei electrice in instalatii electrice fixe.

UTILIZATION

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

CONSTRUCTIE

Conductor de aluminiu: Conductor din aluminiu multifilar clasa 2 (RM) conform SR EN 60228
Izolatia: Polietilena reticulata (XLPE) natural/negru
Manta exterioara: PVC gri
Infuniere:Conductoarele izolate sunt infuniate conform DC 4146 RO-2
Marcare si inscriptionare: Marcare si identificarea se face conform DC 4146 RO-3
Exemple marcaj:
Cablu Tip II:
Faza 1: e-distributie ARE4*RX-0,6/1 kV SECTIUNE PGA ELECTRIC B 01 AN LUNA METRAJ FAZA 1...FAZA 1
Faza 2,3: e-distributie ARE4*RX -0,6/1 kV SECTIUNE PGA ELECTRIC B 01 AN LUNA FAZA 2 sau 3...FAZA 2 sau 3
Neutru: e-distributie ARE4*RX -0,6/1 kV SECTIUNE PGA ELECTRIC B 01 AN LUNA

CONSTRUCTION

Aluminum conductor: Aluminum conductors multiwire class2 (RM)according SR EN 60228
Insulation: Cross linked polyethylene (XLPE) natural/black
Outher 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

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Cabluri ingropate cu conductori de aluminiu, Izolatie din XLPE si manta din PVC 0.6.1 kV

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

Caracteristici conductori/Conductors caracteristics

Sectiune conductor/ Conductor cross section	Rezisitenta electrica, 20°C/Electrical resistance,20°C (Ohm/km)	Nr. minim de sarme/ Minimum nr. of wires in condcutor	Diametru conductor/ Conductordiameter (mm)	Grosime nominala izolatie/Nominal insulation thickness TYPE I and II (mm)	Grosime nominala manta/Sheath 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

Caracteristici cabluri/Cables caracteristics

Cod PGA/ PGA Code	Numar de faze x Sectiunea/ Number of phases x Cross section (mm2)	Masa informativa/ Mass informative (kg/km)	Diametru exterior/ External diameter (mm)	Capacitate de transport/Carring capacity (A)			
				In aer/ In air	In tub/ In tube	In subteran direct/ Underground directly	In tub subteran/ Underground tube
Cabluri tip II/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
PGA013900	3x240 RM+1x150 RM	3.350	62	425	375	405	325