

Cable type: 22-AXEKVCEY 1\*240/25

Aluminum compacted conductors, extruded with semiconducting screen, XLPE insulation and semiconducting screen in triple-extrusion process, semiconducting water-blocking tape applied helically, copper wire and copper tape (counter helix) screen applied over semiconducting tape, semiconducting water-blocking tape applied helically, PE outer sheath, PVC outer sheath. Cable is intended for fixed installations such as distribution networks or industrial installations.



Characteristic     Unit     Value       Standard:     IEC 60502-2       Conductor material     Ne/mm     36x3,00       Conductor shape     RM       Conductor diameter / external dimension     mm     18       Protection from water penetration     No     Type of protection from water penetration       Ne of cores * conductor cross sectional area     Ne*mm2     1x240       Nominal thickness of semi conductive conductor shield     mm     0,6       Insulation material     XLPE       Nominal thickness of insulation     mm     5,5       Insulation color scheme     N/A       Insulation UV resistance     No       Nominal thickness of semi conductive insulation shield     mm     0,45       Assembly of cores     N/A       Material of bedding     N/A       Nominal thickness of copper shield wires     No
Conductor material       Al         Number and diameter of conductor strands       N≥/mm       36x3,00         Conductor shape       RM         Conductor diameter / external dimension       mm       18         Protection from water penetration       No       Type of protection from water penetration       No         Type of protection from water penetration       N/A       Ne*mm2       1x240         Nominal thickness of semi conductive conductor shield       mm       0,6         Insulation material       XLPE         Nominal thickness of insulation       mm       5,5         Insulation color scheme       N/A         Insulation UV resistance       No         Nominal thickness of semi conductive insulation shield       mm       0,45         Assembly of cores       N/A         Material of bedding       N/A         Nominal thickness of bedding       mm       N/A         Longitudinal water p
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Conductor shape  Conductor diameter / external dimension  Protection from water penetration  Type of protection from water penetration  No  Type of protection from water penetration  No  Type of cores * conductor cross sectional area  Ne*mm2  Nominal thickness of semi conductive conductor shield  Insulation material  Nominal thickness of insulation  Insulation color scheme  No  No  Nominal thickness of semi conductive insulation shield  Mm  O,45  Assembly of cores  No  No  Material of bedding  N/A  Nominal thickness of bedding  N/A  Longitudinal water penetration barrier  No  Material of separating layer  Nominal thickness of separating layer  Mm  O,35  Diameter of copper shield wires  Mm  O,8  Number of copper shield tapes  mm  O,1
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Insulation color scheme Insulation UV resistance Nominal thickness of semi conductive insulation shield Assembly of cores Nominal thickness of bedding N/A Nominal thickness of bedding N/A Nominal thickness of bedding N/A Longitudinal water penetration barrier No Material of separating layer Semiconducting water-swellable tape Nominal thickness of separating layer Mm O,35 Diameter of copper shield wires Mind Diameter O,11
Insulation UV resistance  No Nominal thickness of semi conductive insulation shield  Assembly of cores  N/A  Material of bedding  Nominal thickness of bedding  Nominal thickness of bedding  N/A  Longitudinal water penetration barrier  No Material of separating layer  Nominal thickness of separating layer  Mm  O,35  Diameter of copper shield wires  Thickness of copper shield tapes  Mm  O,1
Nominal thickness of semi conductive insulation shield mm 0,45  Assembly of cores N/A  Material of bedding N/A  Nominal thickness of bedding mm N/A  Longitudinal water penetration barrier No  Material of separating layer semiconducting water-swellable tape  Nominal thickness of separating layer mm 0,35  Diameter of copper shield wires mm 0,8  Number of copper shield wires 45  Thickness of copper shield tapes mm 0,1
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Number of copper shield wires 45 Thickness of copper shield tapes mm 0,1
Thickness of copper shield tapes mm 0,1
Effective cross sectional area of copper screen mm2 24,5
Material of bedding water-swellable tape
Thickness of bedding mm 0,8
Type of armour N/A
Thickness of steel tapes mm N/A
Number of steel tapes N/A
Diameter of aluminum wires mm N/A
Number of aluminum wires N/A
Diameter of steel wires mm N/A
Number of steel wires N/A
Radial water penetration barrier No
Inner sheath material PE
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Nominal Inner sheath thickness mm 2,5  Outer sheath material PVC
Nominal outer sheath thickness mm 1,5
Outer sheath UV resistance Yes
Rated voltage kV 12,7/22
Conductor DC resistance per km at 20oC  Ohm/km  0,125
Cable inductance $ mH/km = \frac{0,362 \text{ (trefoil formation)}}{0,547 \text{ (flat formation)}} $
Cable capacitance μF/km 0,28
Maximum permissible duration of short circuit s 5
Maximum permissible continuous conductor temperature oC 90
Maximum permissible conductor temperature during the short circuit oC 250
Weight of cable per km kg 1928,00
Manufacturers name Energocomplekt
Country of Origin Belarus