

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		Al
Number and diameter of conductor strands	№/mm	36x3,00
Conductor shape		RM
Conductor diameter / external dimension	mm	18
Protection from water penetration		No
Type of protection from water penetration		N/A
№ of cores * conductor cross sectional area	№*mm ²	1×240
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 penetration barrier		No
Material of separating layer		semiconducting water-swellaable 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
Number of copper shield tapes		1
Effective cross sectional area of copper screen	mm ²	24,5
Material of bedding		water-swellaable 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
Nominal inner sheath thickness	mm	2,5
Outer sheath material		PVC
Nominal outer sheath thickness	mm	1,5
Outer sheath UV resistance		Yes
Overall diameter of cable	mm	42,8
Lowest laying temperature	oC	-15
Rated voltage	kV	12,7/22
Conductor DC resistance per km at 20oC	Ohm/km	0,125
Cable inductance	mH/km	0,362 (trefoil formation) 0,547 (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