

Suitable for cabling in buildings, in open air, in ground, in cable trays and ducts. Annealed compacted aluminum conductors insulated with UV-resistant XLPE. Covered with common sheath of PVC with high mechanical properties.

Characteristic	Unit	Value
Standard		IEC 60502-2 HD 603-5D S1
№ of conductors × conductor cross sectional area	pcs.×mm ²	4×25
Conductor material		Aluminium
Conductor type		RM
Number and diameter of conductor strands	№/mm	7×2,19
Conductor diameter / external dimension	mm	5,84
Protection from water penetration		No
Type of protection from water penetration		N/A
Insulation material		XLPE
Nominal thickness of insulation	mm	0,9
Insulation color scheme		Yellow-green, brown, black, grey (HD 308)
Insulation UV resistance		Yes
№ of additional core × conductor cross sectional area	pcs.×mm ²	1×2,5
Additional core conductor material		Copper
Additional core conductor type		RE
Number and diameter of add. core conductor strands	№/mm	1×1,76
Additional core conductor diameter / external dimension	mm	1,76
Protection from water penetration		No
Type of protection from water penetration		N/A
Insulation material		XLPE
Nominal thickness of insulation	mm	0,7
Insulation color scheme		black
Insulation UV resistance		yes
Assembly of cores		Four insulated conductors are laid-up in right-hand direction around the additional core
Material of separating layer		PET-tape
Nominal thickness of separating layer	mm	0,07
Diameter of copper shield wires	mm	N/A
Number of copper shield wires		N/A
Thickness of copper shield tapes	mm	N/A
Number of copper shield tapes		N/A
Effective cross sectional area of copper screen	mm ²	N/A
Material of bedding		N/A
Thickness of bedding	mm	N/A
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
Outer sheath material		PVC
Nominal outer sheath thickness	mm	1,8
Outer sheath UV resistance		Yes
Overall diameter of cable	mm	22,2
Min. permissible bending radius	mm	266
Lowest laying temperature	°C	-15
Rated voltage	kV	0,6/1
Highest continuous operating voltage	kV	1,2
Impulse withstand voltage	kV	N/A
Conductor DC resistance per km at 20°C	Ohm/km	1,2
Additional core conductor DC resistance per km at 20°C	Ohm/km	7,41
Cable inductance	mH/km	0,27
Cable capacitance	µF/km	N/A
Maximum permissible duration of short circuit	s	5
Maximum permissible continuous conductor temperature	°C	90
Maximum permissible conductor temperature during the short circuit	°C	250
Delivery length per drum	m	2900
Weight of conductor per km	Kg	262
Weight of cable per km	kg	541
Gross weight of full cable drum	kg	2332
Diameter of cable drum	mm	2064
Width of cable drum	mm	1250
Manufacturers name		Energocomplekt
Country of Origin		Belarus

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Characteristic	Unit	Value
Standard		IEC 60502-2 HD 603-5D S1
№ of conductors × conductor cross sectional area	pcs.×mm ²	4×35
Conductor material		Aluminium
Conductor type		RM
Number and diameter of conductor strands	№/mm	7×2,55
Conductor diameter / external dimension	mm	6,95
Protection from water penetration		No
Type of protection from water penetration		N/A
Insulation material		XLPE
Nominal thickness of insulation	mm	0,9
Insulation color scheme		Yeollow-green, brown, balck, grey (HD 308)
Insulation UV resistance		Yes
№ of additional core × conductor cross sectional area	pcs.×mm ²	1×2,5
Additional core conductor material		Copper
Additional core conductor type		RE
Number and diameter of add. core conductor strands	№/mm	1×1,76
Additional core conductor diameter / external dimension	mm	1,76
Protection from water penetration		No
Type of protection from water penetration		N/A
Insulation material		XLPE
Nominal thickness of insulation	mm	0,7
Insulation color scheme		black
Insulation UV resistance		yes
Assembly of cores		Four insulated conductors are laid-up in right-hand direction around the additional core
Material of separating layer		PET-tape
Nominal thickness of separating layer	mm	0,07
Diameter of copper shield wires	mm	N/A
Number of copper shield wires		N/A
Thickness of copper shield tapes	mm	N/A
Number of copper shield tapes		N/A
Effective cross sectional area of copper screen	mm ²	N/A
Material of bedding		N/A
Thickness of bedding	mm	N/A
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
Outer sheath material		PVC
Nominal outer sheath thickness	mm	1,8
Outer sheath UV resistance		Yes
Overall diameter of cable	mm	24,9
Min. permesible bending radius	mm	298
Lowest laying temperature	°C	-15
Rated voltage	kV	0,6/1
Highest continuous operating voltage	kV	1,2
Impulse withstand voltage	kV	N/A
Conductor DC resistance per km at 20oC	Ohm/km	0,868
Additional core conductor DC resistance per km at 20oC	Ohm/km	7,41
Cable inductance	mH/km	0,26
Cable capacitance	µF/km	N/A
Maximum permissible duration of short circuit	s	5
Maximum permissible continuous conductor temperature	°C	90
Maximum permissible conductor temperature during the short circuit	°C	250
Delivery length per drum	m	2300
Weight of conductor per km	Kg	362
Weight of cable per km	kg	681
Gross weight of full cable drum	kg	2329
Diameter of cable drum	mm	2064
Width of cable drum	mm	1250
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Characteristic	Unit	Value
Standard		IEC 60502-2 HD 603-5D S1
No of conductors × conductor cross sectional area	pcs.×mm ²	4×16
Conductor material		Aluminium
Conductor type		RE
Number and diameter of conductor strands	№/mm	1×4,41
Conductor diameter / external dimension	mm	4,41
Protection from water penetration		No
Type of protection from water penetration		N/A
Insulation material		XLPE
Nominal thickness of insulation	mm	0,7
Insulation color scheme		Yeollow-green, brown, balck, grey (HD 308)
Insulation UV resistance		Yes
No of additional core × conductor cross sectional area	pcs.×mm ²	1×2,5
Additional core conductor material		Copper
Additional core conductor type		RE
Number and diameter of add. core conductor strands	№/mm	1×1,76
Additional core conductor diameter / external dimension	mm	1,76
Protection from water penetration		No
Type of protection from water penetration		N/A
Insulation material		XLPE
Nominal thickness of insulation	mm	0,7
Insulation color scheme		black
Insulation UV resistance		yes
Assembly of cores		Four insulated conductors are laid-up in right-hand direction around the additional core
Material of separating layer		PET-tape
Nominal thickness of separating layer	mm	0,07
Diameter of copper shield wires	mm	N/A
Number of copper shield wires		N/A
Thickness of copper shield tapes	mm	N/A
Number of copper shield tapes		N/A
Effective cross sectional area of copper screen	mm ²	N/A
Material of bedding		N/A
Thickness of bedding	mm	N/A
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
Outer sheath material		PVC
Nominal outer sheath thickness	mm	1,8
Outer sheath UV resistance		Yes
Overall diameter of cable	mm	18,6
Min. permesible bending radius	mm	223
Lowest laying temperature	°C	-15
Rated voltage	kV	0,6/1
Highest continuous operating voltage	kV	1,2
Impulse withstand voltage	kV	N/A
Conductor DC resistance per km at 20oC	Ohm/km	1,91
Additional core conductor DC resistance per km at 20oC	Ohm/km	7,41
Cable inductance	mH/km	0,27
Cable capacitance	µF/km	N/A
Maximum permissible duration of short circuit	s	5
Maximum permissible continuous conductor temperature	°C	90
Maximum permissible conductor temperature during the short circuit	°C	250
Delivery length per drum	m	4000
Weight of conductor per km	Kg	166
Weight of cable per km	kg	381
Gross weight of full cable drum	kg	2287
Diameter of cable drum	mm	2064
Width of cable drum	mm	1250
Manufacturers name		Energocomplekt
Country of Origin		Belarus