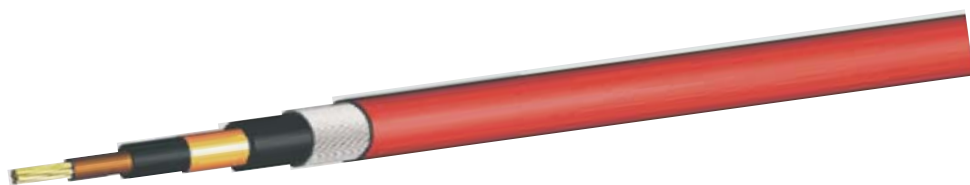




Електролуks  
**Electrolux**

Medium voltage  
power cable

Напојувачки кабли  
за помали напони



Made in Electrolux

Adresa: ul.Braka Mingovi 18, 7000 Bitola; tel: 047/203-330 ,203 900ul.A.Guslarot.1a 02/329 8130 Skopje

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Ovoj crtez e sopstvenost na Electrolux-Bitola.Bez negovo pismeno odobruvanje isti ot nesmee da se prepisuva .umozuva niti kopira bez soglasnosti od Електролуks vo sproftivno se snosat posedici vo smislana clenovite 163 i 164 od kivicniot zakon R.M. (повреда на авторско право)

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## CuXL/CTS/LSF/AWA/LSF medium voltage power cable 6.3/11 kV aluminium wire screened BS 7835



### APPLICATIONS

They are used as power cables both in outdoor and indoor fixed installations. They are resistant to tensile strength and also can be buried directly in to the ground. In case of fire they appear a low level of smoke emission and zero halogen.

### CABLE STRUCTURE

**Core:** plain annealed flexible copper conductors  
**Core insulation:** XLPE, colour brown and a copper tape.  
**Overall Insulation:** LSF(low smoke, halogen free),colour black  
**Armour:** aluminium wires  
**Outer Sheath:** LSF(low smoke, halogen free),colour red

### TECHNICAL DATA

**Nominal Voltage:** 11 kV  
**Temperature Range:** up to +90°C  
**Bending Radius:** 15 x Ø cable  
 Should not be installed at temperatures below 0°C

No.CORES x CROSS-SEC mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
1x50	28.8	1200	32
1x70	29.9	1500	32
1x95	31.7	1600	32
1x120	33.3	2100	40
1x150	35.7	2500	40
1x185	37.5	2900	40
1x240	40.1	3600	50S
1x300	42.4	4300	50S
1x400	45.8	5200	50S
1x500	50.5	6500	50
1x630	54.7	8000	63S



## CuXL/CTS/LSF/SWA/LSF medium voltage power cable 6.3/11 kV galvanized steel wire armour BS 7835



APPLICATIONS	
They are used as power cables both in outdoor and indoor fixed installations. They can be buried directly in to the ground. They are resistant to tensile strength and they have antirodent protection. In case of fire they appear a low level of smoke emission and zero halogen.	
CABLE STRUCTURE	TECHNICAL DATA
<p><b>Core:</b> plain annealed flexible copper conductors  <b>Core Insulation:</b> XLPE and a copper tape  <b>Core Code:</b> coloured cores brown, black, grey  <b>Overall Insulation:</b> LSF (low smoke, halogen free), colour black  <b>Armour:</b> galvanized steel wires  <b>Outer Sheath:</b> LSF (low smoke, halogen free), colour red</p>	<p><b>Nominal Voltage:</b> 11 kV  <b>Temperature Range:</b> up to +90°C  <b>Bending Radius:</b> 12 x Ø cable                      Should not be installed at temperatures below 0°C</p>

No. CORES x CROSS-SEC mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
3x35	51.6	4900	50
3x50	54.6	5600	63S
3x70	58.5	6500	63S
3x95	62.6	7800	63
3x120	66.6	8900	75S
3x150	68.8	10000	75
3x185	74.1	11600	75
3x240	81.2	14800	90
3x300	86.8	17300	90



# CuXL/CTS/PVC/AWA/PVC medium voltage power cable 6.3/11 kV aluminium wire screened BS 6622



## APPLICATIONS

They are used as power cables both in outdoor and indoor fixed installations. They are resistant to tensile strength and can be buried directly in to the ground.

## CABLE STRUCTURE

**Core:** plain annealed flexible copper conductor  
**Insulation:** XLPE, colour brown and a copper tape  
**Overall Insulation:** PVC, colour black  
**Armour:** of aluminium wires  
**Outer Sheath:** PVC, colour red

## TECHNICAL DATA

**Nominal Voltage:** 11 kV  
**Temperature Range:** up to +90°C  
**Bending Radius:** 12 x Ø cable  
 Should not be installed at temperatures below 0°C

No.CORES x CROSS-SEC mm <sup>2</sup>	APPROXIMATELY		
	OUTER DIAMETER Ø mm	CABLE WEIGHT Kg/Km	GLAND SIZE mm
1x50	28	1200	32
1x70	29.9	1500	32
1x95	31.7	1600	32
1x120	33.3	2100	40
1x150	35.7	2500	40
1x185	37.5	2900	40
1x240	40.1	3600	50S
1x300	42.4	1300	50S
1x400	45.8	5200	50S
1x500	50.5	6500	50
1x630	54.7	8000	63S



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Ovo je proizvod koji je izrađen u skladu sa specifikacijama koje su navedene u tabeli. Ova tabela je informativna i ne garantira kvalitet proizvoda. Ova tabela je informativna i ne garantira kvalitet proizvoda. Ova tabela je informativna i ne garantira kvalitet proizvoda.



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## CuXL/CTS/PVC/SWA/PVC medium voltage power cable 6.3/11 kV galvanized steel wire armour BS 6622



### APPLICATIONS

They are used as power cables both in outdoor and indoor fixed installations. They can be buried directly in to the ground. They are resistant to tensile strength and they also have antirodent protection

### CABLE STRUCTURE

**Core:** plain annealed flexible copper conductors  
**Core Insulation:** XLPE and a copper tape  
**Core code:** coloured cores brown, black, grey  
**Overall Insulation:** PVC, colour black  
**Armour:** galvanized steel wires  
**Outer Sheath:** PVC, colour red

### TECHNICAL DATA

**Nominal Voltage:** 11 kV  
**Temperature Range:** up to +90°C  
**Bending Radius:** 12 x Ø cable  
 Should not be installed at temperatures below 0°C

No. CORES x CROSS-SEC mm <sup>2</sup>	OUTER DIAMETER Ø mm	APPROXIMATELY	
		CABLE WEIGHT Kg/Km	GLAND SIZE mm
3x25	48.8	4400	50
3x35	51.6	4900	50
3x50	54.6	5600	63S
3x70	58.5	6500	63S
3x95	62.6	7800	63
3x120	66.6	8900	75S
3x150	68.8	10000	75S
3x185	74.1	11600	75
3x240	81.2	14800	90
3x300	86.8	17300	90
3x400	93	19300	-



## N2XSEY 3x ...6/10KV medium voltage cables with VDE approval.



### APPLICATIONS

They are used in outdoor and indoor installations , in ducts , cable trays , switch boards and power stations. Their use is limited for underground installation ,if there is a possibility for damaging the outer sheath because of high mechanical stress. The inner conducting laying between the conductor and the the XLPE and the firmly bonded outer conducting layer on the XLPE , assures a construction free of partial discharges with high operational reliability .

### CABLE STRUCTURE

**Core :** circular bare Cu-conductor of stranded wires according to DIN VDE 0295 cl2 and IEC 60228 cl.2.  
**Core insulation :**  
**1<sup>st</sup> insulation :** inner semi-conducting coating .  
**2<sup>st</sup> insulation :** of cross-linked compound PE(XLPE) DIX8 according to HD 620.1.  
**3<sup>rd</sup> insulation:** outer semi-conducting coating spliced with the PE insulation .  
**Wrapping :** of conductive material .  
**Screen:** copper wires braiding in each conductor with one or two tapes applied helically.  
**Three cores are stranded.**  
**Extruded sheath over three cores .**  
**Outer sheath :** of DMV6 according HD 405.1 and HD 405.1 and HD 620.1 , in red colour.

### TECHNICAL DATA

**Specifications:** DIN VDE 0276 according to IEC 60502.  
**Temperature range :**  
 During the installation up to -5°C.  
 Fixed installation : up to +90°C.  
 Short circuit temperature : +250°C (up to 5 sec)  
**Nominal voltage :** U<sub>0</sub>/U 6/10 KV.  
**Minimum bending radius :** 15xcable Ø

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x25mm/16	43.0	1046.0	2850
3x35mm/16	48.0	1210.0	3300
3x50mm/16	50.0	4670.0	3750
3x70mm/16	54.0	2250.0	4650
3x95mm/16	58.0	2995.0	5700

CORES x CROSS-SEC. IN mm	APPROXIMATELY		
	OUTER DIAMETER Ø mm	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
3x120mm/16	61.0	3715.0	6700
3x150mm/25	65.0	4635.0	7900
3x185mm/25	68.0	5645.0	9200
3x240mm/25	74.0	7274.0	11450
3x300mm/25	79.0	9160.0	14450



## N2XSy medium voltage cables 6/10KV, 12/20KV with VDE approval.



APPLICATIONS	
<p>They are used to fixed installations mostly for power supply stations , indoors and outdoors, in ducts, in to the water and underground . They can also be used in cable trays, switch-boards and power stations. They also can be laid easily in difficult line guides .The inner conducting layer between the conductor and the XLPE and the firmly bonded outer conducting layer on the XLPE, assures a construction free of partial discharges with high operation reliability.</p>	
CABLE STRUCTURE	ΤΕΧΝΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ
<p><b>Cores :</b> circular bare Cu-conductor of stranded wires according to HD 383.  <b>Core insulation :</b>  <b>1<sup>st</sup> insulation:</b> inner semi-conducting coating .  <b>2<sup>nd</sup> insulation:</b> of cross-linked compound PE (XLPE) DIX8 according to HD 620.1.  <b>3<sup>rd</sup> insulation:</b> outer semi-conducting coating spliced with the PE insulation.  <b>Wrapping :</b> of conductive material .  <b>Screen:</b> of copper wires braiding with one or two tapes applied helically .  <b>Outer sheath :</b> of DMV6 compound according to HD 620.1, in red colour</p>	<p><b>Specifications :</b> DIN VDE 0276, HD 620 S1 and IEC 60502.  <b>Temperature range :</b>                      During the installation up to -5°C.                      Fixed installation : up to +90°C.                      Short circuit temperature : +250°C (up to 5 sec)  <b>Nominal voltage :</b> U<sub>0</sub>/U 6/10 KV,12/20KV.  <b>Minimum bending radius :</b> 15x cable Ø</p>

CE= The above mentioned cables are conformed with the Low Voltage Directive 73/23 EEC, 93/68 EEC.

CORES x CROSS-SEC. IN mm <sup>2</sup>	NOMINAL VOLTAGE	APPROXIMATELY		
		OUTER DIAMETER Ø mm MINIM. - MAXIM.	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x35mm <sup>2</sup> /16	6/10	24.0-28.0	518.0	905
1x50mm <sup>2</sup> /16	6/10	24.0-29.0	662.0	1080
1x70mm <sup>2</sup> /16	6/10	26.0-31.0	854.0	1310
1x95mm <sup>2</sup> /16	6/10	27.0-32.0	1098.0	1580
1x120mm <sup>2</sup> /16	6/10	29.0-34.0	1340.0	1860
1x150mm <sup>2</sup> /25	6/10	30.0-35.0	1622.0	2210
1x150mm <sup>2</sup> /16	6/10	30.0-35.0	1723.0	2040
1x185mm <sup>2</sup> /16	6/10	32.0-37.0	1958.0	2450
1x185mm <sup>2</sup> /25	6/10	32.0-37.0	2059.0	2580

Ovoj crtez e sopstvenost na ElektroLux-Bez. negovo pisмено oobruvanje istoi nesmee da se prepišuva, umnožuva nihi kopira bez soglasnost od **Elektroluks** vo sprotno se snoset posledici vo smislana članovište 163 i 164 od kivičniat zakon R.M. (povreda na avtorsko pravo)

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## N2XS<sub>Y</sub> medium voltage cables 6/10KV, 12/20KV with VDE approval.

CORESx CROSS-SEC. IN mm <sup>2</sup>	NOMINAL VOLTAGE	APPROXIMATELY		
		OUTER SHEATH Ø mm MINIM.- MAXIM.	COPPER WEIGHT Kg/Km	CABLE WEIGHT Kg/Km
1x240mm/16	6/10	34.0-39.0	2486.0	3000
1x240mm/25	6/10	34.0-39.0	2587.0	3130
1x300mm/25	6/10	36.0-41.0	3163.0	3780
1x400mm/35	6/10	40.0-45.0	4234.0	4670
1x500mm/35	6/10	43.0-48.0	5194.0	5750
1x35mm/16	12/20	27.0-32.0	518.0	1110
1x50mm/16	12/20	28.0-33.0	662.0	1250
1x70mm/16	12/20	30.0-35.0	854.0	1510
1x95mm/16	12/20	31.0-36.0	1094.0	1780
1x120mm/16	12/20	33.0-38.0	1334.0	2070
1x150mm/25	12/20	34.0-39.0	1723.0	2420
1x150mm/16	12/20	34.0-39.0	1622.0	2310
1x185mm/16	12/20	36.0-41.0	2059.0	2810
1x185mm/25	12/20	36.0-41.0	1958.0	2650
1x240mm/16	12/20	39.0-44.0	2486.0	3260
1x240mm/25	12/20	39.0-44.0	2587.0	3360
1x300mm/25	12/20	41.0-46.0	3163.0	4020
1x400mm/35	12/20	44.0-49.0	4234.0	4930
1x500mm/35	12/20	47.0-52.0	5194.0	6050



For structured cabling materials ask for the special catalogue



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Ovo je oznaka za proizvod koji je u skladu sa zahtevima standarda EN 50303-31. Ova oznaka je registrovana u skladu sa zakonom R.M. (povezani na avtorisno pravo).

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