

**Overhead distribution cable of rated voltage 0,6/1 kV**

	Technical Description	Units	Guaranteed Characteristics
<b>1.</b>	<b>General Data</b>		
	a)Manufacturer		HASÇELİK KABLO
	b)Type of cable		TWISTED CABLE
	c)Applied Standards		HD 626 S1
	d)Number of cores and Cross-sectional area	mm <sup>2</sup>	3X95+50+16
	e)Rated Voltage U0/U(Um)	kV	0,6/1(1,2)
	f)SAP Product Number		-
<b>2.</b>	<b>Construction Data / Layers of Cable:</b>		
	-Aluminum Conductor		
	-High Density Polyethylene Insulation		
<b>3.</b>	<b>Constructional and dimensional details</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
<b>3.1.1</b>	<b>Conductor (Three Phases)</b>		
	a)Material of Conductor		Aluminum-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	95
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	15 (min.)
	e)Conductor Diameter	mm	11-12
	f)Direction of lay		Right hand (Z)
<b>3.1.2</b>	<b>Conductor (One Neutral)</b>		
	a)Material of Conductor		Aluminum Alloy-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	50
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	6 (min.)
	e)Conductor Diameter	mm	7,7-8,6
	f)Direction of lay		Right hand (Z)
<b>3.1.3</b>	<b>Conductor (Public Street Lighting)</b>		
	a)Material of Conductor		Aluminum-Class 1
	b)Nominal section area of conductor	mm <sup>2</sup>	16
	c)Conductor Shape		Solid
	d)Number of Wires	pcs.	1
	e)Conductor Diameter	mm	4,35-4,45
	f)Direction of lay		-
<b>3.2</b>	<b>Insulation</b>		
<b>3.2.1</b>	<b>Three Phases</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,6
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification (Two ridges-Three ridges-Four ridges)		Ridge(s) along the cable
	2)On the insulation a marking is applied as follows;		
	Two ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 2R" (by inkjet)
	Three ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 3S" (by inkjet)
	Four ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 4T" (by inkjet)
	3)Continuity of marks;		
	Max. distance between the start of the mark and the beginning of the next mark: 1 meter		
<b>3.2.2</b>	<b>One Neutral</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,4
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification (One ridge)		Ridge(s) along the cable
	2)On the insulation a marking is applied as follows;		
	"Meter Marking" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.2.3</b>	<b>Public Street Lighting</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,2
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Cross-sectional area" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.3</b>	<b>Complete Cable</b>		
	a)Direction of lay of outer strands		Right hand (Z)
	b)Outer Diameter of Cable (approx.)	mm	37
	c)Cable Unit Weight (approx.)	kg/km	1175
<b>4</b>	<b>Electrical Technical Data Sheet</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
	a)Max. DC resistance of phases at 20 C°	Ω/km	0,320
	b)Max. DC resistance of neutral at 20 C°	Ω/km	0,720
	c)Max. DC resistance of public Street Lightings at 20 C°	Ω/km	1,91
	d)Maximum conductor temperature (Normal operation)	C°	90
	e)Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°	250
	f)Maximum Short-Circuit Current for 1 second	kA	8,9
	g)Current Carrying Capacity*		
	*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)		
	1)Phase conductor	(A)	258
	2)Public Street Lightings conductor	(A)	81
	h) Test Voltage (AC)	kV	4
<b>5</b>	<b>Drum Labeling</b>		
	The following information to be attached to the outside of both flanges of each drum;		
	a)Name of Manufacturer		
	b) Year of Manufacture		
	c) Drum Number		
	d) Cable Type		
	e) Length		
	f) Net Weight		
	g) Gross Weight		

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	Technical Description	Units	Guaranteed Characteristics
<b>1.</b>	<b>General Data</b>		
	a)Manufacturer		HASÇELİK KABLO
	b)Type of cable		XLPE TWISTED CABLE
	c)Applied Standards		NFC 33 209
	d)Number of cores and Cross-sectional area	mm <sup>2</sup>	3X95+50+16
	e)Rated Voltage U0/U(Um)	kV	0,6/1(1,2)
	f)SAP Product Number		-
<b>2.</b>	<b>Construction Data / Layers of Cable:</b>		
	-Aluminum Conductor		
	-Black cross linked polyethylene Insulation		
<b>3.</b>	<b>Constructional and dimensional details</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
<b>3.1.1</b>	<b>Conductor (Three Phases)</b>		
	a)Material of Conductor		Aluminum-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	95
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	15 (min.)
	e)Conductor Diameter	mm	11-12
	f)Direction of lay		Right hand (Z)
<b>3.1.2</b>	<b>Conductor (One Neutral)</b>		
	a)Material of Conductor		Aluminum Alloy-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	50
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	6 (min.)
	e)Conductor Diameter	mm	7,9-8,4
	f)Direction of lay		Right hand (Z)
<b>3.1.3</b>	<b>Conductor (Public Street Lighting)</b>		
	a)Material of Conductor		Aluminum-Class 1
	b)Nominal section area of conductor	mm <sup>2</sup>	16
	c)Conductor Shape		Solid
	d)Number of Wires	pcs.	1
	e)Conductor Diameter	mm	4,35-4,45
	f)Direction of lay		-
<b>3.2</b>	<b>Insulation</b>		
<b>3.2.1</b>	<b>Three Phases</b>		
	a)Type of Insulation		XLPE
	b)Nominal thickness of insulation	mm	1,8
	c)Colour of XLPE Insulation		BLACK with RED strip, BLACK with BLUE strip, BLACK with WHITE strip
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	BLACK with RED strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 2R" (by inkjet)
	BLACK with WHITE strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 3S" (by inkjet)
	BLACK with BLUE strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 4T" (by inkjet)
	3)Continuity of marks;		
	Max. distance between the start of the mark and the beginning of the next mark: 1 meter		
<b>3.2.2</b>	<b>One Neutral</b>		
	a)Type of Insulation		XLPE
	b)Nominal thickness of insulation	mm	1,6
	c)Colour of XLPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Meter Marking" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.2.3</b>	<b>Public Street Lighting</b>		
	a)Type of Insulation		XLPE
	b)Nominal thickness of insulation	mm	1,2
	c)Colour of XLPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Cross-sectional area" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.3</b>	<b>Complete Cable</b>		
	a)Direction of lay of outer strands		Right hand (Z)
	b)Outer Diameter of Cable (approx.)	mm	37
	c)Cable Unit Weight (approx.)	kg/km	1220
<b>4</b>	<b>Electrical Technical Data Sheet</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
	a)Max. DC resistance of phases at 20 C°	Ω/km	0,320
	b)Max. DC resistance of neutral at 20 C°	Ω/km	0,720
	c)Max. DC resistance of public Street Lightings at 20 C°	Ω/km	1,91
	d)Maximum conductor temperature (Normal operation)	C°	90
	e)Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°	250
	f)Maximum Short-Circuit Current for 1 second	kA	8,9
	g)Current Carrying Capacity*		
	*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)		
	1)Phase conductor	(A)	258
	2)Public Street Lightings conductor	(A)	81
	h) Test Voltage (AC)	kV	4
<b>5</b>	<b>Drum Labeling</b>		
	The following information to be attached to the outside of both flanges of each drum;		
	a)Name of Manufacturer		
	b) Year of Manufacture		
	c) Drum Number		
	d) Cable Type		
	e) Length		
	f) Net Weight		
	g) Gross Weight		

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	Technical Description	Units	Guaranteed Characteristics
<b>1. General Data</b>			
a)Manufacturer			HASÇELİK KABLO
b)Type of cable			TWISTED CABLE
c)Applied Standards			HD 626 S1
d)Number of cores and Cross-sectional area	mm <sup>2</sup>		3X95+70+16
e)Rated Voltage U0/U(Um)	kV		0,6/1(1,2)
f)SAP Product Number			-
<b>2. Construction Data / Layers of Cable:</b>			
	-Aluminum Conductor		
	-High Density Polyethylene Insulation		
<b>3. Constructional and dimensional details</b>			
<b>3.1.1 Conductor (Three Phases)</b>			
a)Material of Conductor			Aluminum-Class 2
b)Nominal section area of conductor	mm <sup>2</sup>		95
c)Conductor Shape			Circular stranded compacted
d)Number of Wires	pcs.		15 (min.)
e)Conductor Diameter	mm		11-12
f)Direction of lay			Right hand (Z)
<b>3.1.2 Conductor (One Neutral)</b>			
a)Material of Conductor			Aluminum Alloy-Class 2
b)Nominal section area of conductor	mm <sup>2</sup>		70
c)Conductor Shape			Circular stranded compacted
d)Number of Wires	pcs.		12 (min.)
e)Conductor Diameter	mm		9,3-10,2
f)Direction of lay			Right hand (Z)
<b>3.1.3 Conductor (Public Street Lighting)</b>			
a)Material of Conductor			Aluminum-Class 1
b)Nominal section area of conductor	mm <sup>2</sup>		16
c)Conductor Shape			Solid
d)Number of Wires	pcs.		1
e)Conductor Diameter	mm		4,35-4,45
f)Direction of lay			-
<b>3.2 Insulation</b>			
<b>3.2.1 Three Phases</b>			
a)Type of Insulation			HDPE
b)Nominal thickness of insulation	mm		1,6
c)Colour of HDPE Insulation			Black
d)Marking			
1)Identification (Two ridges-Three ridges-Four ridges)			Ridge(s) along the cable
2)On the insulation a marking is applied as follows;			
Two ridges			"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 2R" (by inkjet)
Three ridges			"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 3S" (by inkjet)
Four ridges			"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 4T" (by inkjet)
3)Continuity of marks;			
Max. distance between the start of the mark and the beginning of the next mark: 1 meter			
<b>3.2.2 One Neutral</b>			
a)Type of Insulation			HDPE
b)Nominal thickness of insulation	mm		1,4
c)Colour of HDPE Insulation			Black
d)Marking			
1)Identification (One ridge)			Ridge(s) along the cable
2)On the insulation a marking is applied as follows;			
"Meter Marking" (by inkjet)			
3)Continuity of marks;			
Distance between the start of one mark and the beginning of the next identical mark: 1 meter			
<b>3.2.3 Public Street Lighting</b>			
a)Type of Insulation			HDPE
b)Nominal thickness of insulation	mm		1,2
c)Colour of HDPE Insulation			Black
d)Marking			
1)Identification			
2)On the insulation a marking is applied as follows;			
"Cross-sectional area" (by inkjet)			
3)Continuity of marks;			
Distance between the start of one mark and the beginning of the next identical mark: 1 meter			
<b>3.3 Complete Cable</b>			
a)Direction of lay of outer strands			Right hand (Z)
b)Outer Diameter of Cable (approx.)	mm		43,5
c)Cable Unit Weight (approx.)	kg/km		1265
<b>4 Electrical Technical Data Sheet</b>			
a)Max. DC resistance of phases at 20 C°	Ω/km		0,320
b)Max. DC resistance of neutral at 20 C°	Ω/km		0,493
c)Max. DC resistance of public Street Lightings at 20 C°	Ω/km		1,91
d)Maximum conductor temperature (Normal operation)	C°		90
e)Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°		250
f)Maximum Short-Circuit Current for 1 second	kA		8,9
g)Current Carrying Capacity*			
*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)			
1)Phase conductor	(A)		258
2)Public Street Lightings conductor	(A)		81
h) Test Voltage (AC)	kV		4
<b>5 Drum Labeling</b>			
The following information to be attached to the outside of both flanges of each drum;			
a)Name of Manufacturer			
b)Year of Manufacture			
c) Drum Number			
d) Cable Type			
e) Length			
f) Net Weight			
g) Gross Weight			

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Technical Description	Units	Guaranteed Characteristics
<b>1. General Data</b>		
a) Manufacturer		HASÇELİK KABLO
b) Type of cable		XLPE TWISTED CABLE
c) Applied Standards		NFC 33 209
d) Number of cores and Cross-sectional area	mm <sup>2</sup>	3X95+70+16
e) Rated Voltage U0/U(Um)	kV	0,6/1(1,2)
f) SAP Product Number		-
<b>2. Construction Data / Layers of Cable:</b>		
- Aluminum Conductor		
- Black cross linked polyethylene Insulation		
<b>3. Constructional and dimensional details</b>		
<b>3.1.1 Conductor (Three Phases)</b>		
a) Material of Conductor		Aluminum-Class 2
b) Nominal section area of conductor	mm <sup>2</sup>	95
c) Conductor Shape		Circular stranded compacted
d) Number of Wires	pcs.	15 (min.)
e) Conductor Diameter	mm	11-12
f) Direction of lay		Right hand (Z)
<b>3.1.2 Conductor (One Neutral)</b>		
a) Material of Conductor		Aluminum Alloy-Class 2
b) Nominal section area of conductor	mm <sup>2</sup>	70
c) Conductor Shape		Circular stranded compacted
d) Number of Wires	pcs.	12 (min.)
e) Conductor Diameter	mm	10-10,2
f) Direction of lay		Right hand (Z)
<b>3.1.3 Conductor (Public Street Lighting)</b>		
a) Material of Conductor		Aluminum-Class 1
b) Nominal section area of conductor	mm <sup>2</sup>	16
c) Conductor Shape		Solid
d) Number of Wires	pcs.	1
e) Conductor Diameter	mm	4,35-4,45
f) Direction of lay		-
<b>3.2 Insulation</b>		
<b>3.2.1 Three Phases</b>		
a) Type of Insulation		XLPE
b) Nominal thickness of insulation	mm	1,8
c) Colour of XLPE Insulation		BLACK with RED strip, BLACK with BLUE strip, BLACK with WHITE strip
d) Marking		
1) Identification		
2) On the insulation a marking is applied as follows;		
BLACK with RED strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 2R" (by inkjet)
BLACK with WHITE strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 3S" (by inkjet)
BLACK with BLUE strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 4T" (by inkjet)
3) Continuity of marks;		
Max. distance between the start of the mark and the beginning of the next mark: 1 meter		
<b>3.2.2 One Neutral</b>		
a) Type of Insulation		XLPE
b) Nominal thickness of insulation	mm	1,5
c) Colour of XLPE Insulation		Black
d) Marking		
1) Identification		
2) On the insulation a marking is applied as follows;		
"Meter Marking" (by inkjet)		
3) Continuity of marks;		
Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.2.3 Public Street Lighting</b>		
a) Type of Insulation		XLPE
b) Nominal thickness of insulation	mm	1,2
c) Colour of XLPE Insulation		Black
d) Marking		
1) Identification		
2) On the insulation a marking is applied as follows;		
"Cross-sectional area" (by inkjet)		
3) Continuity of marks;		
Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.3 Complete Cable</b>		
a) Direction of lay of outer strands		Right hand (Z)
b) Outer Diameter of Cable (approx.)	mm	38,5
c) Cable Unit Weight (approx.)	kg/km	1255
<b>4. Electrical Technical Data Sheet</b>		
a) Max. DC resistance of phases at 20 C°	Ω/km	0,320
b) Max. DC resistance of neutral at 20 C°	Ω/km	0,493
c) Max. DC resistance of public Street Lightings at 20 C°	Ω/km	1,91
d) Maximum conductor temperature (Normal operation)	C°	90
e) Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°	250
f) Maximum Short-Circuit Current for 1 second	kA	8,9
g) Current Carrying Capacity*		
*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)		
1) Phase conductor	(A)	258
2) Public Street Lightings conductor	(A)	81
h) Test Voltage (AC)	kV	4
<b>5. Drum Labeling</b>		
The following information to be attached to the outside of both flanges of each drum;		
a) Name of Manufacturer		
b) Year of Manufacture		
c) Drum Number		
d) Cable Type		
e) Length		
f) Net Weight		
g) Gross Weight		

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	Technical Description	Units	Guaranteed Characteristics
<b>1.</b>	<b>General Data</b>		
	a)Manufacturer		HASÇELİK KABLO
	b)Type of cable		TWISTED CABLE
	c)Applied Standards		HD 626 S1
	d)Number of cores and Cross-sectional area	mm <sup>2</sup>	3X120+70+16
	e)Rated Voltage U0/U(Um)	kV	0,6/1(1,2)
	f)SAP Product Number		-
<b>2.</b>	<b>Construction Data / Layers of Cable:</b>		
	-Aluminum Conductor		
	-High Density Polyethylene Insulation		
<b>3.</b>	<b>Constructional and dimensional details</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
<b>3.1.1</b>	<b>Conductor (Three Phases)</b>		
	a)Material of Conductor		Aluminum-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	120
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	15 (min.)
	e)Conductor Diameter	mm	12,3-13,5
	f)Direction of lay		Right hand (Z)
<b>3.1.2</b>	<b>Conductor (One Neutral)</b>		
	a)Material of Conductor		Aluminum Alloy-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	70
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	12 (min.)
	e)Conductor Diameter	mm	9,3-10,2
	f)Direction of lay		Right hand (Z)
<b>3.1.3</b>	<b>Conductor (Public Street Lighting)</b>		
	a)Material of Conductor		Aluminum-Class 1
	b)Nominal section area of conductor	mm <sup>2</sup>	16
	c)Conductor Shape		Solid
	d)Number of Wires	pcs.	1
	e)Conductor Diameter	mm	4,35-4,45
	f)Direction of lay		-
<b>3.2</b>	<b>Insulation</b>		
<b>3.2.1</b>	<b>Three Phases</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,6
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification (Two ridges-Three ridges-Four ridges)		Ridge(s) along the cable
	2)On the insulation a marking is applied as follows;		
	Two ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 2R" (by inkjet)
	Three ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 3S" (by inkjet)
	Four ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 4T" (by inkjet)
	3)Continuity of marks;		
	Max. distance between the start of the mark and the beginning of the next mark: 1 meter		
<b>3.2.2</b>	<b>One Neutral</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,4
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification (One ridge)		Ridge(s) along the cable
	2)On the insulation a marking is applied as follows;		
	"Meter Marking" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.2.3</b>	<b>Public Street Lighting</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,2
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Cross-sectional area" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.3</b>	<b>Complete Cable</b>		
	a)Direction of lay of outer strands		Right hand (Z)
	b)Outer Diameter of Cable (approx.)	mm	45,5
	c)Cable Unit Weight (approx.)	kg/km	1500
<b>4</b>	<b>Electrical Technical Data Sheet</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
	a)Max. DC resistance of phases at 20 C°	Ω/km	0,253
	b)Max. DC resistance of neutral at 20 C°	Ω/km	0,493
	c)Max. DC resistance of public Street Lightings at 20 C°	Ω/km	1,91
	d)Maximum conductor temperature (Normal operation)	C°	90
	e)Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°	250
	f)Maximum Short-Circuit Current for 1 second	kA	11,3
	g)Current Carrying Capacity*		
	*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)		
	1)Phase conductor	(A)	280
	2)Public Street Lightings conductor	(A)	81
	h) Test Voltage (AC)	kV	4
<b>5</b>	<b>Drum Labeling</b>		
	The following information to be attached to the outside of both flanges of each drum;		
	a)Name of Manufacturer		
	b) Year of Manufacture		
	c) Drum Number		
	d) Cable Type		
	e) Length		
	f) Net Weight		
	g) Gross Weight		

**Overhead distribution cable of rated voltage 0,6/1 kV**

	Technical Description	Units	Guaranteed Characteristics
<b>1.</b>	<b>General Data</b>		
	a)Manufacturer		HASÇELİK KABLO
	b)Type of cable		XLPE TWISTED CABLE
	c)Applied Standards		NFC 33 209
	d)Number of cores and Cross-sectional area	mm <sup>2</sup>	3X120+70+16
	e)Rated Voltage U0/U(Um)	kV	0,6/1(1,2)
	f)SAP Product Number		-
<b>2.</b>	<b>Construction Data / Layers of Cable:</b>		
	-Aluminum Conductor		
	-Black cross linked polyethylene Insulation		
<b>3.</b>	<b>Constructional and dimensional details</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
<b>3.1.1</b>	<b>Conductor (Three Phases)</b>		
	a)Material of Conductor		Aluminum-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	120
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	15 (min.)
	e)Conductor Diameter	mm	12-13,1
	f)Direction of lay		Right hand (Z)
<b>3.1.2</b>	<b>Conductor (One Neutral)</b>		
	a)Material of Conductor		Aluminum Alloy-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	70
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	12 (min.)
	e)Conductor Diameter	mm	10-10,2
	f)Direction of lay		Right hand (Z)
<b>3.1.3</b>	<b>Conductor (Public Street Lighting)</b>		
	a)Material of Conductor		Aluminum-Class 1
	b)Nominal section area of conductor	mm <sup>2</sup>	16
	c)Conductor Shape		Solid
	d)Number of Wires	pcs.	1
	e)Conductor Diameter	mm	4,35-4,45
	f)Direction of lay		-
<b>3.2</b>	<b>Insulation</b>		
<b>3.2.1</b>	<b>Three Phases</b>		
	a)Type of Insulation		XLPE
	b)Nominal thickness of insulation	mm	1,8
	c)Colour of XLPE Insulation		BLACK with RED strip, BLACK with BLUE strip, BLACK with WHITE strip
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	BLACK with RED strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 2R" (by inkjet)
	BLACK with WHITE strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 3S" (by inkjet)
	BLACK with BLUE strip		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKIYE 4T" (by inkjet)
	3)Continuity of marks;		
	Max. distance between the start of the mark and the beginning of the next mark: 1 meter		
<b>3.2.2</b>	<b>One Neutral</b>		
	a)Type of Insulation		XLPE
	b)Nominal thickness of insulation	mm	1,5
	c)Colour of XLPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Meter Marking" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.2.3</b>	<b>Public Street Lighting</b>		
	a)Type of Insulation		XLPE
	b)Nominal thickness of insulation	mm	1,2
	c)Colour of XLPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Cross-sectional area" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.3</b>	<b>Complete Cable</b>		
	a)Direction of lay of outer strands		Right hand (Z)
	b)Outer Diameter of Cable (approx.)	mm	41
	c)Cable Unit Weight (approx.)	kg/km	1490
<b>4</b>	<b>Electrical Technical Data Sheet</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
	a)Max. DC resistance of phases at 20 C°	Ω/km	0,253
	b)Max. DC resistance of neutral at 20 C°	Ω/km	0,493
	c)Max. DC resistance of public Street Lightings at 20 C°	Ω/km	1,91
	d)Maximum conductor temperature (Normal operation)	C°	90
	e)Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°	250
	f)Maximum Short-Circuit Current for 1 second	kA	11,3
	g)Current Carrying Capacity*		
	*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)		
	1)Phase conductor	(A)	280
	2)Public Street Lightings conductor	(A)	81
	h) Test Voltage (AC)	kV	4
<b>5</b>	<b>Drum Labeling</b>		
	The following information to be attached to the outside of both flanges of each drum;		
	a)Name of Manufacturer		
	b) Year of Manufacture		
	c) Drum Number		
	d) Cable Type		
	e) Length		
	f) Net Weight		
	g) Gross Weight		

**Overhead distribution cable of rated voltage 0,6/1 kV**

	Technical Description	Units	Guaranteed Characteristics
<b>1.</b>	<b>General Data</b>		
	a)Manufacturer		HASÇELİK KABLO
	b)Type of cable		TWISTED CABLE
	c)Applied Standards		HD 626 S1
	d)Number of cores and Cross-sectional area	mm <sup>2</sup>	3x120+95+16
	e)Rated Voltage U0/U(Um)	kV	0,6/1(1,2)
	f)SAP Product Number		-
<b>2.</b>	<b>Construction Data / Layers of Cable:</b>		
	-Aluminum Conductor		
	-High Density Polyethylene Insulation		
<b>3.</b>	<b>Constructional and dimensional details</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
<b>3.1.1</b>	<b>Conductor (Three Phases)</b>		
	a)Material of Conductor		Aluminum-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	120
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	15 (min.)
	e)Conductor Diameter	mm	12,3-13,5
	f)Direction of lay		Right hand (Z)
<b>3.1.2</b>	<b>Conductor (One Neutral)</b>		
	a)Material of Conductor		Aluminum Alloy-Class 2
	b)Nominal section area of conductor	mm <sup>2</sup>	95
	c)Conductor Shape		Circular stranded compacted
	d)Number of Wires	pcs.	15 (min.)
	e)Conductor Diameter	mm	11-12
	f)Direction of lay		Right hand (Z)
<b>3.1.3</b>	<b>Conductor (Public Street Lighting)</b>		
	a)Material of Conductor		Aluminum-Class 1
	b)Nominal section area of conductor	mm <sup>2</sup>	16
	c)Conductor Shape		Solid
	d)Number of Wires	pcs.	1
	e)Conductor Diameter	mm	4,35-4,45
	f)Direction of lay		-
<b>3.2</b>	<b>Insulation</b>		
<b>3.2.1</b>	<b>Three Phases</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,6
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification (Two ridges-Three ridges-Four ridges)		Ridge(s) along the cable
	2)On the insulation a marking is applied as follows;		
	Two ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 2R" (by inkjet)
	Three ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 3S" (by inkjet)
	Four ridges		"Manufacturer, Cable Type, Number of cores and Cross-sectional area, Standard, Rated Voltage, Year of manufacturing, MADE IN TURKEY 4T" (by inkjet)
	3)Continuity of marks;		
	Max. distance between the start of the mark and the beginning of the next mark: 1 meter		
<b>3.2.2</b>	<b>One Neutral</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,6
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification (One ridge)		Ridge(s) along the cable
	2)On the insulation a marking is applied as follows;		
	"Meter Marking" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.2.3</b>	<b>Public Street Lighting</b>		
	a)Type of Insulation		HDPE
	b)Nominal thickness of insulation	mm	1,2
	c)Colour of HDPE Insulation		Black
	d)Marking		
	1)Identification		
	2)On the insulation a marking is applied as follows;		
	"Cross-sectional area" (by inkjet)		
	3)Continuity of marks;		
	Distance between the start of one mark and the beginning of the next identical mark: 1 meter		
<b>3.3</b>	<b>Complete Cable</b>		
	a)Direction of lay of outer strands		Right hand (Z)
	b)Outer Diameter of Cable (approx.)	mm	45,8
	c)Cable Unit Weight (approx.)	kg/km	1595
<b>4</b>	<b>Electrical Technical Data Sheet</b>	<b>Units</b>	<b>Guaranteed Characteristics</b>
	a)Max. DC resistance of phases at 20 C°	Ω/km	0,253
	b)Max. DC resistance of neutral at 20 C°	Ω/km	0,363
	c)Max. DC resistance of public Street Lightings at 20 C°	Ω/km	1,91
	d)Maximum conductor temperature (Normal operation)	C°	90
	e)Maximum conductor temperature (Short-circuit 5 seconds maximum duration)	C°	250
	f)Maximum Short-Circuit Current for 1 second	kA	11,3
	g)Current Carrying Capacity*		
	*In Air (Ambient Temperature 30 °C, Load Factor 1.0, Flat)		
	1)Phase conductor	(A)	280
	2)Public Street Lightings conductor	(A)	81
	h) Test Voltage (AC)	kV	4
<b>5</b>	<b>Drum Labeling</b>		
	The following information to be attached to the outside of both flanges of each drum;		
	a)Name of Manufacturer		
	b) Year of Manufacture		
	c) Drum Number		
	d) Cable Type		
	e) Length		
	f) Net Weight		
	g) Gross Weight		