



ALBORZ CABLE CO.

Data Sheet
Low Voltage Cable



Rev : 0

2 x 2.5 RF

mm2

Customer/Project :

ADISH Co

TYPE:

N2XCHKHRH

Project No./Title :

Southern Adish Gas Condensate

CU/XLPE/Bd-HFFR/CWB/Bd-HFFR/LC/Bd-HFFR/SWA/HFFR

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	2
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	2.5
				Null	0
				Earth	0
		Diameter	mm	-----	2
5	Insulation	Class		-----	5
		Shape		-----	Round
		Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material		-----	HFFR
		Thickness	mm	Nominal	1
9	Diameter under shield		mm	Approx	8.9
10	Screen	Material		-----	Copper wire braid
		Diameter of wire	mm	Nominal	0.2
11	Inner sheath	Material	-----	-----	HFFR
		Thickness	mm	Nominal	1.2
12	Diameter under lead sheath		mm	Approx	12.1
13	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
14	Diameter over lead sheath		mm	Approx	14.5
15	Bedding	Material	-----	-----	HFFR
		Thickness	mm	Nominal	1.2
16	Diameter under armour		mm	Approx	16.9
17	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.6
18	Diameter over Armour		mm	Approx	20.1
19	Outer sheath	Material	-----	-----	HFFR*
		Thickness	mm	Nominal	1.8
		Colour		-----	Red
20	Overall dia of completed cable		mm	Approx	23.7
21	Weight of completed cable		kg / km	Approx	1559
22	Standard Drum length		m	Approx	1000
23	Minimum bending radius after installation		mm	Approx	356
24	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 2 x 2.5 RF mm2 0.6/1 kV N2XCHKHRH (HFFR) MADE IN IRAN METER			
Electrical / Mechanical Properties					
25	DC Conductor Resistant at 20 °C		Ω / km	Max	7.98
26	Maximum allowable pulling tension		kN	Max	5.0
27	Inductance		mH / Km	Max	0.36
28	AC Resistant		Ω / km	Max	10.38
29	AC Reactance		Ω / km	Max	0.11
30	Capacitance		μF / km	Max	0.24
31	Short circuit current for conductor at 1 sec		kA	-----	0.4
32	Short circuit current for Screen at 1 sec		kA	-----	0.6
33	Short circuit current for Armour at 1 sec		kA	-----	3.1
34	Minimum installation temperature		°C	Min	-5
35	Operation temperature		°C	-----	-30 to 90
36	Current Carrying Capacity		A	In the Ground 20 °C	35
	According to IEC 60364-5-52		A	Free Air 30 °C	36

*Technical Particulars

Flame Retardant : IEC 60332-1-2

Fire Retardant : IEC 60332-3-24 Cat. C (Min. LOI 32%)

Limiting Oxygen Index : ASTM 2863 (Min. 32%)

Smoke Density : IEC 61034-1,2 (Min. Light Transmittance 60%)

Halogen Acid Gas : IEC 60754-1,2 (Max. HCL 0.5%)

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax: 88787118

**ALBORZ CABLE CO.****Data Sheet
Low Voltage Cable**

Rev : 0

2 x 4 RF

mm2

Customer/Project :

ADISH Co

TYPE:

N2XCHKHRH

Project No./Title :

Southern Adish Gas Condensate

CU/XLPE/Bd-HFFR/CWB/Bd-HFFR/LC/Bd-
HFFR/SWA/HFFR

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	2
4	Conductor	Material	mm2	-----	Annealed Copper
		Size		Phase	4
		Diameter		Null	0
		Class		Earth	0
		Shape		-----	2.51
5	Insulation	Material	mm	-----	XLPE
		Thickness		Nominal	0.7
		Colour		-----	Brown,Blue
6	Cabling	Material		-----	---
7	Core wrap	Material		-----	Yarn as a Filler
8	Inner sheath	Material		-----	Mylar
9	Diameter under shield	Material		-----	HFFR
10	Screen	Thickness	mm	Nominal	1
11	Inner sheath	Material		-----	Copper wire braid
12	Diameter under lead sheath	Diameter of wire	mm	Nominal	0.2
13	Lead sheath	Material		-----	HFFR
14	Diameter over lead sheath	Thickness	mm	Nominal	1.2
15	Bedding	Material		-----	13.12
16	Diameter under armour	Material		-----	Lead alloy
17	Armour	Thickness	mm	Nominal	1.2
18	Diameter over Armour	Material		-----	15.52
19	Outer sheath	Thickness	mm	Nominal	HFFR
20	Overall dia of completed cable	Material		-----	1.2
21	Weight of completed cable	Diameter of wire	mm	Nominal	1.2
22	Standard Drum length	Material		-----	HFFR*
23	Minimum bending radius after installation	Thickness	mm	Nominal	1.8
24	Marking	Colour		-----	Red
25	DC Conductor Resistant at 20 °C		Ω / km	Max	4.95
26	Maximum allowable pulling tension		kN	Max	5.5
27	Inductance		mH / Km	Max	0.34
28	AC Resistant		Ω / km	Max	6.44
29	AC Reactance		Ω / km	Max	0.11
30	Capacitance		μF / km	Max	0.29
31	Short circuit current for conductor at 1 sec		kA	-----	0.6
32	Short circuit current for Screen at 1 sec		kA	-----	0.7
33	Short circuit current for Armour at 1 sec		kA	-----	3.4
34	Minimum installation temperature		°C	Min	-5
35	Operation temperature		°C	-----	-30 to 90
36	Current Carrying Capacity According to IEC 60364-5-52		A	In the Ground 20 °C	46
			A	Free Air 30 °C	49

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

Fire Retardant : IEC 60332-3-24 Cat. C (Min. LOI 32%)

Limiting Oxygen Index : ASTM 2863 (Min. 32%)

Smoke Density : IEC 61034-1,2 (Min. Light Transmittance 60%)

Halogen Acid Gas : IEC 60754-1,2 (Max. HCL 0.5%)

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax: 88787118

**ALBORZ CABLE CO.****Data Sheet
Low Voltage Cable**

Rev : 0

2 x 6 RF

mm2

Customer/Project :

ADISH Co

TYPE:

N2XCHKHRH

Project No./Title :

Southern Adish Gas Condensate

CU/XLPE/Bd-HFFR/CWB/Bd-HFFR/LC/Bd-
HFFR/SWA/HFFR

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	2
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	6
				Null	0
		Diameter	mm	Earth	0
		Class			3.05
5	Insulation	Shape		-----	5
				-----	Round
		Material		-----	XLPE
6	Cabling	Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue
7	Core wrap	Material		-----	---
8	Inner sheath	Material		-----	Yarn as a Filler
9	Diameter under shield	Thickness	mm	Nominal	Mylar
10	Screen	Diameter of wire	mm	Approx	HFFR
11	Inner sheath	Material	-----	-----	1
12	Diameter under lead sheath	Thickness	mm	Nominal	Copper wire braid
13	Lead sheath	Material	-----	-----	0.2
14	Diameter over lead sheath	Thickness	mm	Nominal	HFFR
15	Bedding	Material	-----	-----	1.2
16	Diameter under armour	Thickness	mm	Approx	14.2
17	Armour	Material	-----	-----	Lead alloy
18	Diameter over Armour	Diameter of wire	mm	Nominal	1.2
19	Outer sheath	Material	-----	-----	16.6
20	Overall dia of completed cable	Thickness	mm	Nominal	HFFR
21	Weight of completed cable	Colour	mm	Nominal	1.2
22	Standard Drum length		mm	Approx	19
23	Minimum bending radius after installation		mm	Approx	Galvanized Steel wire armour
24	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 2 x 6 RF mm2 0.6/1 kV N2XCHKHRH (HFFR) MADE IN IRAN METER			
Electrical / Mechanical Properties					
25	DC Conductor Resistant at 20 °C	Ω / km	Max		3.3
26	Maximum allowable pulling tension	kN	Max		6.0
27	Inductance	mH / Km	Max		0.32
28	AC Resistant	Ω / km	Max		4.29
29	AC Reactance	Ω / km	Max		0.10
30	Capacitance	μF / km	Max		0.34
31	Short circuit current for conductor at 1 sec	kA	-----		0.9
32	Short circuit current for Screen at 1 sec	kA	-----		0.9
33	Short circuit current for Armour at 1 sec	kA	-----		3.6
34	Minimum installation temperature	°C	Min		-5
35	Operation temperature	°C	-----		-30 to 90
36	Current Carrying Capacity According to IEC 60364-5-52	A	In the Ground 20 °C		58
		A	Free Air 30 °C		63

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

Fire Retardant : IEC 60332-3-24 Cat. C (Min. LOI 32%)

Limiting Oxygen Index : ASTM 2863 (Min. 32%)

Smoke Density : IEC 61034-1,2 (Min. Light Transmittance 60%)

Halogen Acid Gas : IEC 60754-1,2 (Max. HCL 0.5%)

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax: 88787118

**ALBORZ CABLE CO.****Data Sheet
Low Voltage Cable**

Rev : 0

2 x 10 RF

mm2

Customer/Project :

ADISH Co

TYPE:

N2XCHKHRH

Project No./Title :

Southern Adish Gas Condensate

CU/XLPE/Bd-HFFR/CWB/Bd-HFFR/LC/Bd-
HFFR/SWA/HFFR

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	2
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	10
				Null	0
		Diameter	mm	Earth	0
					4.21
5	Insulation			-----	5
		Shape		-----	Round
		Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material		-----	HFFR
		Thickness	mm	Nominal	1
9	Diameter under shield		mm	Approx	13.32
10	Screen	Material		-----	Copper wire braid
		Diameter of wire	mm	Nominal	0.3
11	Inner sheath	Material	-----	-----	HFFR
		Thickness	mm	Nominal	1.2
12	Diameter under lead sheath		mm	Approx	16.92
13	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
14	Diameter over lead sheath		mm	Approx	19.32
15	Bedding	Material	-----	-----	HFFR
		Thickness	mm	Nominal	1.2
16	Diameter under armour		mm	Approx	21.72
17	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.6
18	Diameter over Armour		mm	Approx	24.92
19	Outer sheath	Material	-----	-----	HFFR*
		Thickness	mm	Nominal	1.8
		Colour		-----	Red
20	Overall dia of completed cable		mm	Approx	28.5
21	Weight of completed cable		kg / km	Approx	2259
22	Standard Drum length		m	Approx	1000
23	Minimum bending radius after installation		mm	Approx	428
24	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 2 x 10 RF mm2 0.6/1 kV N2XCHKHRH (HFFR) MADE IN IRAN METER			
Electrical / Mechanical Properties					
25	DC Conductor Resistant at 20 °C		Ω / km	Max	1.91
26	Maximum allowable pulling tension		kN	Max	7.3
27	Inductance		mH / Km	Max	0.31
28	AC Resistant		Ω / km	Max	2.48
29	AC Reactance		Ω / km	Max	0.10
30	Capacitance		μF / km	Max	0.45
31	Short circuit current for conductor at 1 sec		kA	-----	1.4
32	Short circuit current for Screen at 1 sec		kA	-----	1.5
33	Short circuit current for Armour at 1 sec		kA	-----	4.1
34	Minimum installation temperature		°C	Min	-5
35	Operation temperature		°C	-----	-30 to 90
36	Current Carrying Capacity		A	In the Ground 20 °C	77
	According to IEC 60364-5-52		A	Free Air 30 °C	86

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

Fire Retardant : IEC 60332-3-24 Cat. C (Min. LOI 32%)

Limiting Oxygen Index : ASTM 2863 (Min. 32%)

Smoke Density : IEC 61034-1,2 (Min. Light Transmittance 60%)

Halogen Acid Gas : IEC 60754-1,2 (Max. HCL 0.5%)

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax: 88787118



ALBORZ CABLE CO.

Data Sheet Instrumentation Cable



Rev : 0

2 x 1.5 RM + 1 x 0.5 mm2

Customer/Project : ADISH Co

RE-2X(st)H

Project No./Title : Southern Adish Gas Condensate

TYPE:

CU/XLPE/OSCR/HFFR

NO	Description			Unit	Particulars	
1	Basic standard			-----	-----	EN 50288-7
2	Rated Voltage			kV	-----	0.5
3	No. of Core			-----	-----	2
4	Conductor		Material	-----	-----	Annealed Copper
			Size	mm2	Nominal	1.50
			NoxDia of Wire	-----	Nominal	7 x 0.52
			Diameter	mm	-----	1.56
			Class	-----	-----	2 (Stranded)
			Shape	-----	-----	Round
5	Insulation		Material	-----	-----	XLPE
			Thickness	mm	Nominal	0.6
			Colour	-----	-----	Brown,Blue
5	Cabling		Material	-----	-----	---
						Yarn as a Filler
6	Diameter under Overall Shield			mm	Approx	5.52
7	Overall Screen	Tape	Material	-----	-----	Mylar 36 μ Overlap: 25% to 30% ---
		Drain wire	Material	-----	-----	Tinned Copper
			Cross section of drain wire	mm2	Nominal	0.5
		Tape	Material	-----	-----	AL-Foil 23 μ Overlap: 25% to 30% ---
8	Core wrap		Material	-----	-----	Mylar 36 μ Overlap: 25% to 30%
9	Outer sheath		Material	-----	-----	HFFR*
			Thickness	mm	Nominal	0.9
			Colour	-----	-----	Red
10	Overall dia of completed cable			mm	Approx	7.6
11	Weight of completed cable			kg / km	Approx	82
12	Standard Drum length			m	Approx	1000
13	Minimum bending radius installed temp			mm	Approx	92
14	Marking		ALBORZ CABLE CO. YEAR EN 50288-7 2 x 1.5 RM mm2 0.5kV RE-2X(st)H (HFFR) MADE IN IRAN METER			
Electrical Properties						
15	DC Conductor Resistant at 20 °C			Ω / km	Max	12.1
16	Maximum allowable pulling tension			kN	Max	0.1
17	L / R			μH / Ω	Max	40
18	Mutual capacitance			pF / m	Max	150
19	Capacitance Unbalance			pF/500m	Max	500
20	Minimum installation temperature			°C	Min	-5
21	Opetation temperature			°C	-----	-30 to 90

*Technical Particulars

Flame Retardant : IEC 60332-1-2

Smoke Density : IEC 61034-1,2 (Min. Light Transmittance 60%)

Halogen Acid Gas : IEC 60754-1,2 (Max. HCL 0.5%)

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±1mm

Email : sales@alborzcable.ir

Tel : 88787111-6 Fax : 88787118



ALBORZ CABLE CO.

Data Sheet Instrumentation Cable



Rev : 0

2 x 2.5 RM + 1 x 0.5 mm2

Customer/Project : ADISH Co

RE-2X(st)H

Project No./Title : Southern Adish Gas Condensate

TYPE:

CU/XLPE/OSCR/HFFR

NO	Description			Unit	Particulars	
1	Basic standard			-----	-----	EN 50288-7
2	Rated Voltage			kV	-----	0.5
3	No. of Core			-----	-----	2
4	Conductor	Material		-----	-----	Annealed Copper
		Size		mm2	Nominal	2.50
		NoxDia of Wire		-----	Nominal	7 x 0.67
		Diameter		mm	-----	2.01
		Class		-----	-----	2 (Stranded)
5	Insulation	Shape		-----	-----	Round
		Material		-----	-----	XLPE
		Thickness		mm	Nominal	0.6
5	Cabling	Colour		-----	-----	Brown,Blue
		Material		-----	-----	---
6	Diameter under Overall Shield			mm	Approx	Yarn as a Filler
7	Overall Screen	---		-----	-----	6.42
		Tape	Material	-----	-----	Mylar 36 μ Overlap: 25% to 30%
		Drain wire	Material	-----	-----	---
		Cross section of drain wire		mm2	Nominal	Tinned Copper
8	Core wrap	---		-----	-----	0.5
		Material		-----	-----	AL-Foil 23 μ Overlap: 25% to 30%
		---		-----	-----	---
9	Outer sheath		Material	-----	-----	Mylar 36 μ Overlap: 25% to 30%
9	Outer sheath	Material		-----	-----	HFFR*
		Thickness		mm	Nominal	1
		Colour		-----	-----	Red
10	Overall dia of completed cable			mm	Approx	8.7
11	Weight of completed cable			kg / km	Approx	112
12	Standard Drum length			m	Approx	1000
13	Minimum bending radius installed temp			mm	Approx	105
14	Marking		ALBORZ CABLE CO. YEAR EN 50288-7 2 x 2.5 RM mm2 0.5kV RE-2X(st)H (HFFR) MADE IN IRAN METER			
Electrical Properties						
15	DC Conductor Resistant at 20 °C			Ω / km	Max	7.41
16	Maximum allowable pulling tension			kN	Max	0.2
17	L / R			μH / Ω	Max	60
18	Mutual capacitance			pF / m	Max	150
19	Capacitance Unbalance			pF/500m	Max	500
20	Minimum installation temperature			°C	Min	-5
21	Opetation temperature			°C	-----	-30 to 90

*Technical Particulars

Flame Retardant : IEC 60332-1-2

Smoke Density : IEC 61034-1,2 (Min. Light Transmittance 60%)

Halogen Acid Gas : IEC 60754-1,2 (Max. HCL 0.5%)

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±1mm

Email : sales@alborzcable.ir

Tel : 88787111-6 Fax : 88787118



ALBORZ CABLE CO.

**Data Sheet
Low Voltage Cable**



Rev : 0

3 x 16 RF

mm2

Customer/Project :

ADISH Co

N2XKYRY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/Bd/LC/Bd/SWA/PVC

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	16
				Null	0
		Diameter	mm	Earth	0
		Class			5.25
		Shape		-----	5
				-----	Round
5	Insulation	Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material	-----	-----	PVC
		Thickness	mm	Nominal	1
9	Diameter under lead sheath		mm	Approx	16.43
10	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
11	Diameter over lead sheath		mm	Approx	18.83
12	Bedding	Material	-----	-----	PVC
		Thickness	mm	Nominal	1.2
13	Diameter under armour		mm	Approx	21.23
14	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.6
15	Diameter over Armour		mm	Approx	24.43
16	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
17	Overall dia of completed cable		mm	Approx	28.0
18	Weight of completed cable		kg / km	Approx	2279
19	Standard Drum length		m	Approx	1000
20	Minimum bending radius after installation		mm	Approx	420
21	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 16 RF mm2 0.6/1 kV N2XKYRY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
22	DC Conductor Resistant at 20 °C		Ω / km	Max	1.21
23	Maximum allowable pulling tension		kN	Max	7.1
24	Inductance		mH / Km	Max	0.23
25	AC Resistant		Ω / km	Max	1.57
26	AC Reactance		Ω / km	Max	0.07
27	Capacitance		µF / km	Max	0.54
28	Short circuit current for conductor at 1 sec		kA	-----	2.3
29	Short circuit current for Armour at 1 sec		kA	-----	4.0
30	Minimum installation temperature		°C	Min	-5
31	Operation temperature		°C	-----	-30 to 90
32	Current Carrying Capacity		A	In the Ground 20 °C	84
	According to IEC 60364-5-52		A	Free Air 30 °C	100

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax : 88787118



ALBORZ CABLE CO.

**Data Sheet
Low Voltage Cable**



Rev : 0

3 x 10 RF

mm2

Customer/Project :

ADISH Co

N2XKYRY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/Bd/LC/Bd/SWA/PVC

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	10
				Null	0
		Diameter	mm	Earth	0
		Class			4.21
		Shape		-----	5
				-----	Round
5	Insulation	Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material	-----	-----	PVC
		Thickness	mm	Nominal	1
9	Diameter under lead sheath		mm	Approx	14.19
10	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
11	Diameter over lead sheath		mm	Approx	16.59
12	Bedding	Material	-----	-----	PVC
		Thickness	mm	Nominal	1.2
13	Diameter under armour		mm	Approx	18.99
14	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.6
15	Diameter over Armour		mm	Approx	22.19
16	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
17	Overall dia of completed cable		mm	Approx	25.8
18	Weight of completed cable		kg / km	Approx	1910
19	Standard Drum length		m	Approx	1000
20	Minimum bending radius after installation		mm	Approx	387
21	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 10 RF mm2 0.6/1 kV N2XKYRY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
22	DC Conductor Resistant at 20 °C		Ω / km	Max	1.91
23	Maximum allowable pulling tension		kN	Max	6.0
24	Inductance		mH / Km	Max	0.31
25	AC Resistant		Ω / km	Max	2.48
26	AC Reactance		Ω / km	Max	0.10
27	Capacitance		μF / km	Max	0.45
28	Short circuit current for conductor at 1 sec		kA	-----	1.4
29	Short circuit current for Armour at 1 sec		kA	-----	3.6
30	Minimum installation temperature		°C	Min	-5
31	Operation temperature		°C	-----	-30 to 90
32	Current Carrying Capacity		A	In the Ground 20 °C	65
	According to IEC 60364-5-52		A	Free Air 30 °C	75

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax : 88787118



ALBORZ CABLE CO.

**Data Sheet
Low Voltage Cable**



Rev : 0

3 x 6 RF

mm2

Customer/Project :

ADISH Co

N2XKYRY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/Bd/LC/Bd/SLWA/PVC

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	6
				Null	0
		Diameter	mm	Earth	0
		Class		-----	3.05
		Shape		-----	5
5	Insulation	Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material	-----	-----	PVC
		Thickness	mm	Nominal	1
9	Diameter under lead sheath		mm	Approx	11.69
10	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
11	Diameter over lead sheath		mm	Approx	14.09
12	Bedding	Material	-----	-----	PVC
		Thickness	mm	Nominal	1.2
13	Diameter under armour		mm	Approx	16.49
14	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.25
15	Diameter over Armour		mm	Approx	18.99
16	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
17	Overall dia of completed cable		mm	Approx	22.6
18	Weight of completed cable		kg / km	Approx	1448
19	Standard Drum length		m	Approx	1000
20	Minimum bending radius after installation		mm	Approx	339
21	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 6 RF mm2 0.6/1 kV N2XKYRY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
22	DC Conductor Resistant at 20 °C		Ω / km	Max	3.3
23	Maximum allowable pulling tension		kN	Max	4.6
24	Inductance		mH / Km	Max	0.32
25	AC Resistant		Ω / km	Max	4.29
26	AC Reactance		Ω / km	Max	0.10
27	Capacitance		μF / km	Max	0.34
28	Short circuit current for conductor at 1 sec		kA	-----	0.9
29	Short circuit current for Armour at 1 sec		kA	-----	2.4
30	Minimum installation temperature		°C	Min	-5
31	Operation temperature		°C	-----	-30 to 90
32	Current Carrying Capacity		A	In the Ground 20 °C	49
	According to IEC 60364-5-52		A	Free Air 30 °C	54

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax : 88787118



ALBORZ CABLE CO.

**Data Sheet
Low Voltage Cable**



Rev : 0

3 x 4 RF

mm2

Customer/Project :

ADISH Co

N2XKYRY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/Bd/LC/Bd/SLWA/PVC

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	4
				Null	0
		Diameter	mm	Earth	0
		Class			2.51
		Shape		-----	5
				-----	Round
5	Insulation	Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material	-----	-----	PVC
		Thickness	mm	Nominal	1
9	Diameter under lead sheath		mm	Approx	10.53
10	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
11	Diameter over lead sheath		mm	Approx	12.93
12	Bedding	Material	-----	-----	PVC
		Thickness	mm	Nominal	1.2
13	Diameter under armour		mm	Approx	15.33
14	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.25
15	Diameter over Armour		mm	Approx	17.83
16	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
17	Overall dia of completed cable		mm	Approx	21.4
18	Weight of completed cable		kg / km	Approx	1284
19	Standard Drum length		m	Approx	1000
20	Minimum bending radius after installation		mm	Approx	321
21	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 4 RF mm2 0.6/1 kV N2XKYRY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
22	DC Conductor Resistant at 20 °C		Ω / km	Max	4.95
23	Maximum allowable pulling tension		kN	Max	4.1
24	Inductance		mH / Km	Max	0.34
25	AC Resistant		Ω / km	Max	6.44
26	AC Reactance		Ω / km	Max	0.11
27	Capacitance		µF / km	Max	0.29
28	Short circuit current for conductor at 1 sec		kA	-----	0.6
29	Short circuit current for Armour at 1 sec		kA	-----	2.2
30	Minimum installation temperature		°C	Min	-5
31	Operation temperature		°C	-----	-30 to 90
32	Current Carrying Capacity		A	In the Ground 20 °C	39
	According to IEC 60364-5-52		A	Free Air 30 °C	42

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax : 88787118



ALBORZ CABLE CO.

**Data Sheet
Low Voltage Cable**



Rev : 0

3 x 2.5 RF

mm2

Customer/Project :

ADISH Co

N2XKYRY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/Bd/LC/Bd/SWA/PVC

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	2.5
				Null	0
		Diameter	mm	Earth	0
		Class		-----	2
		Shape		-----	5
				-----	Round
5	Insulation	Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
					Yarn as a Filler
7	Core wrap	Material		-----	Mylar
8	Inner sheath	Material	-----	-----	PVC
		Thickness	mm	Nominal	1
9	Diameter under lead sheath		mm	Approx	9.43
10	Lead sheath	Material	-----	-----	Lead alloy
		Thickness	mm	Nominal	1.2
11	Diameter over lead sheath		mm	Approx	11.83
12	Bedding	Material	-----	-----	PVC
		Thickness	mm	Nominal	1.2
13	Diameter under armour		mm	Approx	14.23
14	Armour	Material	-----	-----	Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.25
15	Diameter over Armour		mm	Approx	16.73
16	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
17	Overall dia of completed cable		mm	Approx	20.3
18	Weight of completed cable		kg / km	Approx	1151
19	Standard Drum length		m	Approx	1000
20	Minimum bending radius after installation		mm	Approx	305
21	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 2.5 RF mm2 0.6/1 kV N2XKYRY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
22	DC Conductor Resistant at 20 °C		Ω / km	Max	7.98
23	Maximum allowable pulling tension		kN	Max	3.7
24	Inductance		mH / Km	Max	0.36
25	AC Resistant		Ω / km	Max	10.38
26	AC Reactance		Ω / km	Max	0.11
27	Capacitance		μF / km	Max	0.24
28	Short circuit current for conductor at 1 sec		kA	-----	0.4
29	Short circuit current for Armour at 1 sec		kA	-----	2.1
30	Minimum installation temperature		°C	Min	-5
31	Operation temperature		°C	-----	-30 to 90
32	Current Carrying Capacity		A	In the Ground 20 °C	30
	According to IEC 60364-5-52		A	Free Air 30 °C	32

***Technical Particulars**

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±2mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax : 88787118



ALBORZ CABLE CO.

Data Sheet Low Voltage Cable



Rev : 0

3 x 4 RF

mm2

Customer/Project :

ADISH Co

N2XY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/PVC

NO	Description		Unit	Particulars	
1	Basic standard		kV	-----	IEC 60502-1
2	Rated Voltage U0/U(Um)			-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material	mm2	-----	Annealed Copper
		Size		Phase	4
				Null	0
		Diameter	mm	Earth	0
		Class		-----	2.51
		Shape		-----	5
5	Insulation	Material	-----	XLPE	
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
				Yarn as a Filler	
7	Core wrap	Material		-----	Mylar
8	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
9	Overall dia of completed cable		mm	Approx	12.1
10	Weight of completed cable		kg / km	Approx	224
11	Standard Drum length		m	Approx	1000
12	Minimum bending radius after installation		mm	Approx	97
13	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 4 RF mm2 0.6/1 kV N2XY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
14	DC Conductor Resistant at 20 °C		Ω / km	Max	4.95
15	Maximum allowable pulling tension		kN	Max	0.6
16	Inductance		mH / Km	Max	0.34
17	AC Resistant		Ω / km	Max	6.44
18	AC Reactance		Ω / km	Max	0.11
19	Capacitance		µF / km	Max	0.29
20	Short circuit current for conductor at 1 sec		kA	-----	0.6
21	Minimum installation temperature		°C	Min	-5
22	Operation temperature		°C	-----	-30 to 90
23	Current Carrying Capacity		A	In the Ground 20 °C	39
	According to IEC 60364-5-52		A	Free Air 30 °C	42

*Technical Particulars

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±1mm

E-mail : sales@alborzcable.ir

Tel: 88787111-6 , Fax : 88787118



ALBORZ CABLE CO.

Data Sheet Low Voltage Cable



Rev : 0

3 x 1.5 RF

mm2

Customer/Project :

ADISH Co

N2XY-J

Project No./Title :

Southern Adish Gas Condensate

TYPE:

CU/XLPE/PVC

NO	Description		Unit	Particulars	
1	Basic standard			-----	IEC 60502-1
2	Rated Voltage U0/U(Um)		kV	-----	0.6/1(1.2)
3	No. of Core			-----	3
4	Conductor	Material		-----	Annealed Copper
		Size	mm2	Phase	1.5
				Null	0
		Diameter	mm	Earth	0
		Class		-----	1.54
		Shape		-----	5
				-----	Round
5	Insulation	Material		-----	XLPE
		Thickness	mm	Nominal	0.7
		Colour		-----	Brown,Blue,Green/Yellow
6	Cabling	Material		-----	---
				Yarn as a Filler	
7	Core wrap	Material		-----	Mylar
8	Outer sheath	Material	-----	-----	PVC / ST2*
		Thickness	mm	Nominal	1.8
		Colour	-----	-----	Black
9	Overall dia of completed cable		mm	Approx	10.0
10	Weight of completed cable		kg / km	Approx	133
11	Standard Drum length		m	Approx	1000
12	Minimum bending radius after installation		mm	Approx	80
13	Marking	ALBORZ CABLE CO. YEAR IEC 60502-1 3 x 1.5 RF mm2 0.6/1 kV N2XY-J MADE IN IRAN METER			
Electrical / Mechanical Properties					
14	DC Conductor Resistant at 20 °C		Ω / km	Max	13.3
15	Maximum allowable pulling tension		kN	Max	0.2
16	Inductance		mH / Km	Max	0.38
17	AC Resistant		Ω / km	Max	17.30
18	AC Reactance		Ω / km	Max	0.12
19	Capacitance		μF / km	Max	0.20
20	Short circuit current for conductor at 1 sec		kA	-----	0.2
21	Minimum installation temperature		°C	Min	-5
22	Operation temperature		°C	-----	-30 to 90
23	Current Carrying Capacity		A	In the Ground 20 °C	23
	According to IEC 60364-5-52		A	Free Air 30 °C	23

*Technical Particulars

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

Cable Diameter Tolerance = ±1mm

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