



سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN



SINGLE - CORE WIRES

P.V.C Insulated, non sheathed, Single - Core Wires all
Standard : In according to INSO (607) 06 / IEC 60227 / H05 V-K
insulation / Sheath : PVC / -

Color: any color on request

Nominal Voltage : 300 / 500 v

Application : For internal wiring of buildings,
can be laid in conduit that is under or over plaster.
direct laying in plaster is not permissible.

سیم های ساختمانی (افشان) با عایق پی.وی.سی برای ولتاژ 300-500 ولت مطابق استاندارد ملی ایران (607) 06 INSO

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mean overall Diameter		Weight	Max. of conductor resistance at 20c	Current capacity at 25c	Minimum insulation Resistance At 70c
			Min	Max				
mm2	N x mm	mm			Kg/km	Ω/KM	A	MΩ/Km
0.50	16x0.20	0.60	2.1	2.5	9	39	6	0.015
0.75	24x0.20	0.60	2.2	2.7	12	26	9	0.013
1	32x0.20	0.60	2.4	2.8	15	19.5	11	0.012

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

SINGLE - CORE WIRES

P.V.C Insulated, non sheathed, Single - Core Wires

Standard : In according to INSO (607) 02 / IEC 60227 / H07 V - K
insulation / Sheath : PVC / -

Color : any color on request

Nominal Voltage : 450 / 750 v

Application : For internal wiring of buildings, can be laid in conduit that is
under or over plaster. direct laying in plaster is not permissible.

سیم های ساختمانی (افشان) با عایق پی.وی.سی برای ولتاژ 450-750 ولت مطابق استاندارد ملی ایران (607) 02 INSO

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mean overall Diameter		Weight	Max. of conductor resistance at 20c	Current capacity at 25c	Minimum insulation Resistance At 70c
			Min	Max				
mm2	N x mm	mm			Kg/km	Ω/KM	A	MΩ/Km
1.5	30x0.25	0.70	2.8	3.4	21	1.3	16	0.011
2.5	50x0.25	0.80	3.4	4.1	32	7.98	21	0.009
4	56x0.30	0.80	3.9	4.8	48	4.95	28	0.007
6	84x0.30	0.80	4.4	5.3	68	3.3	36	0.006
10	80x0.40	1	5.7	6.8	115	1.91	49	0.0056
16	115*0.40	1	6.7	8.1	155	1.21	65	0.0046
25	179*0.40	1.20	8.4	10.2	240	0.78	85	0.0044

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

FLEXIBLE FLAT CABLES

Standard : INSO (607) 52, IEC 60227

Rated Voltage : 300 / 500 v

Construction : 2 & 3 Conductors very fine annealed Copper wire

Insulation : PVC Insulation Sheath White PVC

Application : For connection portable application mechanical stresses. Are low appliances Application for heating Appliances is not permissible.



کابل های کیسه ای با عایق و روکش پی.وی.سی مطابق استاندارد ملی ایران (607) 52 INSO

Nominal cross section mm ²	NO. of strands x Diameter N x mm	Insulation thickness mm	Mean overall Diameter mm		Sheath thickness mm	Weight Kg/km	Max. of conductor resistance at 25c Ω/KM	Current capacity at 25c A
			Min	Max				
2x0.50	16x0.2	0.5	3x4.9	3.7x5.9	0.6	30	39	6
2x0.75	24x0.2	0.5	3.2x5.2	3.8x6.3	0.6	36	26	9
3x0.50	16x0.2	0.5	4.9	6.3	0.6	44	39	6
3x0.75	24x0.2	0.5	5.2	6.7	0.6	55	26	9

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

AVS (JAPAN) PSA (B251110) (FRANCE)

Standard : JASO D611, KES D-C626

Construction : Annealed stranded Copper Conductor

Insulation : Thin Wall PVC Insulation

Application : Used for automotive wiring

سیم های خودرویی با عایق ولتاژ پایین

Nominal Cross Section mm ²	NO. of strands x Diameter N x mm	Outside Diameter mm	Calculated Cross Section Area mm ²	Outside Diameter mm		Insulation thickness mm		Max. of conductor Resistance AT20c Ω/KM
				Max	Standard	Min	Standard	
0.3	7x0.26	0.8	0.3716	1.9	1.9	1.9	0.5	50.2
0.5	7x0.32	1	0.5629	2.1	2.1	2.1	0.5	32.7
0.85a	16x0.26	1.2	0.8494	2.3	2.3	2.3	0.5	22
0.85b	11x0.32	1.2	0.8846	2.3	2.3	2.3	0.5	20.8
1.25	16x0.32	1.5	1.287	2.6	2.6	2.6	0.5	14.3
2	26x0.32	1.9	2.091	3.1	3.1	3.1	0.5	3.81
3	41x0.32	2.4	3.297	3.8	3.8	3.8	0.6	5.59
5	65x0.32	3	5.228	4.6	4.6	4.6	0.7	3.52

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN



SINGLE CORE WIRES

P.V.C Insulated Non Sheathed, Single Core Cable

Standard : In according to INSO (607) 05/ IEC 60227 / H05 v - u

Insulation / Sheath : PVC / -

Color : any color on request

Nominal Voltage : 300 / 500 v

Application: In doors, out doors, fixed installation can be laid in conduit, in electric panels and devices in dry zone.

سیم های ساختمانی مفتول (تک لا) با عایق پی.وی.سی برای ولتاژ 300-500 ولت مطابق استاندارد ملی ایران (607) 05 INSO

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mean overall Diameter		Weight	Max. of conductor resistance at 20c	Current capacity at 25c	Minimum insulation Resistance At 70c
			Min	Max				
mm2	N x mm	mm			Kg/km	Ω/KM	A	MΩ/Km
0.50	1x0.80	0.60	1.9	2.3	8.5	36	6.5	0.015
0.75	1x0.99	0.60	2.1	2.5	11	24.5	10	0.012
1	1x1.13	0.60	2.2	2.7	14	18.1	12	0.011

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

SINGLE / MULTI - CORE WIRES

P.V.C Insulated Non Sheathed, Single / Multi - Core Cable With Rigid Conductor

Standard : In according to INSO (607) 01 / IEC 60227 / H07 v - u

Insulation / Sheath : PVC / -

Color : any color on request

Nominal Voltage : 450 / 750 v

Application : Switching and distribution installation in conduits, under plaster in dry rooms.

سیم های ساختمانی مفتول (تک لا و چندلای منظم) با عایق پی.وی.سی برای ولتاژ 450-750 ولت مطابق استاندارد ملی ایران (607) 01 INSO

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mean overall Diameter		Weight	Max. of conductor resistance at 20c	Current capacity at 25c	Minimum insulation Resistance At 70c
			Min	Max				
mm2	N x mm	mm			Kg/km	Ω/KM	A	MΩ/Km
1.5	1x1.38	0.70	2.6	3.2	20	12.1	16	0.011
2.5	1x1.78	0.80	2.7	3.3	31	7.41	21	0.010
4	1x2.25	0.80	3.2	3.9	46	4.61	28	0.0085
6	1x2.76	0.80	3.3	4	67	3.08	35	0.0070
10	1x3.57	1	3.6	4.4	110	1.83	48	0.0070
16	7x1.71	1	3.8	4.6	180	1.15	65	0.0050
25	7x2.14	1.20	4.1	5	278	0.727	88	0.0050

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

TWIN CORE CORDS

P.V.C Insulated Twin Core Cords

Standard: In according to INSO (607) 42 / H03 V H - H

Insulation / Sheath: PVC / -

Color: White

Nominal Voltage: 300 / 300 v



سیم های نایلون با عایق و روکش پی.وی.سی مطابق استاندارد ملی ایران 42 (607) INSO

Nominal cross section Nxmm ²	NO. of strands x Diameter N x mm	Insulation thickness mm	Mean overall Diameter mm		Weight Kg/km	Max. of conductor resistance at 25c Ω/KM	Current capacity at 25c A
			Min	Max			
2x0.50	24x0.16	0.8	24x4.9	3x5.9	21	39	6
2x0.75	37x0.16	0.8	3.1x6.3	3.8x6.3	27	26	9

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

TWIN CORE CORDS

P.V.C Insulated Twin Core Cords

Standard: with out of Standard

Insulation / Sheath: PVC / -

Color: White

Nominal Voltage: 300 / 300 v

سیم های نایلون با عایق پی.وی.سی

Nominal cross section Nxmm ²	NO. of strands x Diameter N x mm	Insulation thickness mm	Mean overall Diameter mm		Weight Kg/km	Max. of conductor resistance at 25c Ω/KM	Current capacity at 25c A
			Min	Max			
2x1	32x0.20	0.8	----	----	32	19.5	16
2x1.5	30x0.25	0.8	----	----	42	13.3	20
2x2.5	50x0.25	0.8	----	----	61	7.98	27

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

FLEXIBLE PVC INSULATED AND SHEATHED CABLES

P.V.C Insulated & Sheathed, Flexible Cables

Standard : in according to INSO (607) 53 / IEC 60227

Insulation / Sheath : PVC / PVC

Color : Black, White

Application : for portable applince and machines in dry zone, where the medium mechanical stresses are needed.



کابل های افشان با عایق و روکش پی.وی.سی مطابق استاندارد ملی ایران 53 (607) INSO

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mean overall Diameter	Weight	Max. of conductor resistance at 20 c	Current capacity at 25c	Minimum insulation Resistance At 70c	Voltage
mm ²	N x mm	mm	mm	Kg/km	Ω/KM	A	MΩ/Km	V
2x0.50	16x0.20	0.6	0.8	41	39	7	0.011	300/500
2x0.75	24x0.20	0.6	0.8	56	26	13	0.011	300/500
2x1	32x0.20	0.6	0.8	64	19.5	16	0.010	300/500
2x1.5	30x0.25	0.7	0.8	83	13.3	20	0.010	300/500
2x2.5	50x0.25	0.8	1.0	126	7.98	27	0.009	300/500
3x0.75	24x0.20	0.6	0.8	105	26	13	0.011	300/500
3x1	32x0.20	0.6	0.8	165	19.5	16	0.010	300/500
3x1.5	30x0.25	0.7	0.9	295	13.3	20	0.010	300/500
3x2.5	50x0.25	0.8	1.1	365	7.98	27	0.009	300/500
4x0.75	24x0.20	0.6	0.9	130	26	13	0.011	300/500
4x1	32x0.20	0.6	0.9	193	19.5	16	0.010	300/500
4x1.5	30x0.25	0.7	1	345	13.3	20	0.010	300/500
4x2.5	50x0.25	0.8	1.1	450	7.98	27	0.009	300/500
5x0.75	24x0.20	0.6	0.9	160	26	13	0.011	300/500
5x1	32x0.20	0.6	0.9	235	19.5	16	0.010	300/500
5x1.5	30x0.25	0.7	1.1	172	13.3	20	0.010	300/500
5x2.5	50x0.25	0.8	1.2	245	7.98	27	0.009	300/500
5x16	115x0.40	1.0	1.8	--	1.21	82	0.0046	450/750

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

INFLEXIBLE PVC POWER CABLES

Standard : INSO 3569-1, BS 5467, VDE 0271, IEC 60502-1

Rated Voltage : 0.6/1Kv

Conductor : Copper Class 2

Insulation : PVC

Sheathed : PVC



کابل های 3.5 رشته آلومینیوم با عایق و روکش پی.وی.سی مطابق استاندارد ملی ایران INSO 3569-1

Nominal Cross Section	Conductor		Insulation thickness		Filler thickness	sheath thickness	Overall Diameter	Weight
	N/mm		mm					
	Nxmm2	Num. of strands	Dia. Of strands	Normal Value	Min. Value	mm	mm	mm
3x25+16	7/7	2.16/1.74	1.2/1	0.98/0.8	1	1.8	24.5	312
3x35+16	7/7	2.57/1.74	1.2/1	0.98/0.8	1	1.8	26.8	970

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

SOLAR CABLES

Conductor : cu / cu tinned, DIN EN 60228, class 5, class 2

Insulation material : Cross-linked Polyethylene / Polyolefin, UV resistant, Halogen-free

Sheath material : Self extinguish PVC, Weathering and UV-resistant, Resistant against acid and oil

Temperature range : -20 °c to +90 °c

Voltage rating : U0/U=600/1000 VAC, U0/U=1500/1500 VDC

max. 1800 VDC (Conductor-earth, circuit not under load)

Flame retardant : Acc. To DIN EN 60332-1-2

Colors : Black red, Black blue

Standards : IEC 60502-1, Acc. To SATBA, Renewable Energy and Energy Efficiency Organization

کابل های سولار

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Sheathed thickness	Overall diameter	Weight
mm ²	N x mm	mm	mm	mm	Kg/km
1x1.5	30x0.25	0.7	1.4	5.8	44
1x2.5	50x0.25	0.7	1.4	6.2	56
1x4	56x0.30	0.7	1.4	6.8	74
1x6	84x0.30	0.7	1.4	7.3	96

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

FLEXIBLE PVC INSULATED AND SHEATHED CABLES

P.V.C Insulated & Sheathed, Flexible Cables

Standard : in according to INSO (607) 71C / IEC 60227

Insulation / Sheath : PVC / PVC

Color : Black, White

Application : for portable applince and machines in dry zone, where the medium mechanical stresses are needed.



کابل های بالابر با عایق و روکش پی.وی.سی مطابق استاندارد ملی ایران INSO (607) 71C

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mean overall Diameter	Weight	Max. of conductor resistance at 20 c	Current capacity at 25c	Minimum insulation Resistance At 70c	Voltage
mm ²	N x mm	mm	mm	Kg/km	Ω/KM	A	MΩ/Km	V
2x4	56x0.30	0.8	1.3	172	4.95	36	0.0076	450/750
2x6	84x0.30	0.8	1.3	340	3.3	44	0.0065	450/750
2x10	80x0.40	1.0	1.3	370	1.91	61	0.0063	450/750
2x16	126x0.40	1.0	1.3	510	1.21	82	0.0046	450/750
3x4	56x0.30	0.8	1.3	210	4.95	36	0.0076	450/750
3x6	84x0.30	0.8	1.3	310	3.3	44	0.0065	450/750
3x10	80x0.40	1.0	1.3	490	1.91	61	0.0063	450/750
3x16	115x0.40	1.0	1.3	710	1.21	82	0.0046	450/750
4x4	56x0.30	0.8	1.3	280	4.95	36	0.0076	450/750
4x6	84x0.30	0.8	1.3	375	3.3	44	0.0065	450/750
4x10	80x0.40	1.0	1.3	610	1.91	61	0.0063	450/750
4x16	115x0.40	1.0	1.3	850	1.21	82	0.0046	450/750
5x4	56x0.30	0.8	1.3	354	4.95	36	0.0076	450/750
5x6	84x0.30	0.8	1.3	470	3.3	44	0.0065	450/750
5x10	80x0.40	1.0	1.3	822	1.91	61	0.0063	450/750

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN



INFLEXIBLE FLAT PVC INSULATED & SHEATHED CABLES

Standard : VDE0250

Rated Voltage : 300 / 500 V

Construction : 2, 3 Conductor

Insulation : PVC

Sheath : Gray PVC

Application : In Dry or Damp Roms for Permanent Installation on or Under Plaster.

کابل های زیر گچی با عایق و روکش پی.وی.سی

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Sheath thickness	Mean overall Diameter	Max. of conductor resistance at 20 c	Weight	Current capacity at 25c
Nxmm ²	N x mm	mm	mm	mm	Ω/KM	Kg/km	A
2X0.75	1x0.97	0.6	0.9	6.1x4	24.5	43	10
2X1	1x1.13	0.6	0.9	6.5x4.1	18.1	53	16
2x1.5	1x1.38	0.7	0.9	7.4x4.6	12.1	68	20
2x2.5	1x1.78	0.8	0.9	8.6x5.2	7.41	98	27
2x4	1x2.25	0.8	1	10.3x6.2	4.61	142	36
2x6	1x2.76	0.8	1.1	11.6x7	3.08	196	47
3X0.75	1x0.97	0.6	0.9	8.3x4	24.5	62	10
3X1	1x1.13	0.6	0.9	8.8x4.1	18.1	73	16
3x1.5	1x1.38	0.7	0.9	10.1x4.6	12.1	98	20
3x2.5	1x1.78	0.8	0.9	11.9x5.2	7.41	144	27
3x4	1x2.25	0.8	1.1	14.7x6.4	4.61	209	36
3x6	1x2.76	0.8	1.1	16.4x7	3.08	285	47
3x10	1x3.57	1	1.2	20.6x8.5	1.83	447	65

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

CAT6 AND CAT5E NETWORK CABLES

Network cables Standards : Cat5e, Cat6, Cat7, Cat5

The speed and Bandwidth :

Cat5: 16 MHz, Cat5e: 200 MHz, Cat6: 250 MHz,

Cat6a: 500 MHz, Cat7: 1000 MHz

The most important advantage of the higher cables of this cable is the speed and bandwidth

Optimizing the signal-to-noise ratio by increasing the width It's a gang.



Category 6, 4 Bonded-Pairs, 23 AWG Solid Bare Copper Conductors, U/UTP, PVC Jacket

Frequency MHz	Max. Insertion Loss Attenuation	Min. NEXT dB	Min. PSNEXT dB	Min. ACR dB	Min. PSACR dB	Min. ACRF (ELFEXT) dB	Min. PSACRF (PSELFEXT) dB	Min. RL (Return Loss) dB	Max./Min. Input Impedance (unfitted) Ohm	Max./Min. Fitted Impedance Ohm
1	1.5 dB/100m	95	85.3	79	83.8	69.8	68.4	27.2	100 ± 15	-
4	2.4 dB/100m	88	78.4	78	76	62.9	61.8	23.6	100 ± 15	100 ± 12
8	3.2 dB/100m	82.5	77.8	76	68.9	59.9	58.9	26.9	100 ± 15	100 ± 10.4
10	4.8 dB/100m	79.2	70.3	71	66	56.5	54.8	29.8	100 ± 15	100 ± 8
16	6.5 dB/100m	75.9	68	69	61	59.5	53.6	31.2	100 ± 15	100 ± 7.3
20	7.6 dB/100m	71.6	64	62	57	64.3	53.7	36.2	100 ± 15	100 ± 5.7
25	8.3 dB/100m	68.3	62	61	54	55.7	48.7	37	100 ± 15	100 ± 5
31.25	8.7 dB/100m	65.3	59.7	51	51	47.8	47.2	31	100 ± 15	100 ± 5
62.5	13.5 dB/100m	60.7	56.5	50	42.5	45.5	39	33.8	100 ± 15	100 ± 5
100	18.9 dB/100m	57.3	51.8	43	35.6	37.4	36	32	100 ± 15	100 ± 5
155	19.9 dB/100m	54.5	51	39	30.9	39.9	33.2	25.2	100 ± 22	100 ± 5
200	25.3 dB/100m	54.2	50.5	35	28.6	29.1	27.8	28.9	100 ± 22	100 ± 5
250	28.4 dB/100m	51.1	48	28	21.7.3	28.2	27.4	24.9	100 ± 32	100 ± 5
300	31.7 dB/100m	49.7	46.5	22	14.4	27.4	24.7	26.6	100 ± 32	100 ± 5
350	34.2 dB/100m	47	44.1	-	-	25.93	22.9	22.7	100 ± 32	100 ± 5
400	41.5 dB/100m	45.3	43.3	-	-	24.81	21.8	19.5	100 ± 32	100 ± 5
450	44.3 dB/100m	44.5	42.5	-	-	23.72	20.7	19.2	100 ± 32	100 ± 5
500	47.1 dB/100m	43.8	41.8	-	-	22.82	19.8	19.0	100 ± 32	100 ± 5
550	49.7 dB/100m	43.2	41.2	-	-	22.04	19.0	18.8	100 ± 32	100 ± 5
600	52.3 dB/100m	42.6	40.6	-	-	21.25	18.2	18.7	100 ± 32	100 ± 5
650	54.8 dB/100m	42.1	40.1	-	-	20.54	17.5	18.5	100 ± 32	100 ± 5

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

FLEXIBLE SHIELDED CABLE

Standard : VDE 0250

Rated Voltage : 300/500 v

Conductor : Annealed Copper Conductors Class 5

Insulation / Sheath : PVC / PVC

Application : The Cables and instrumentation applications Where high intensity electric fields are Applied annoying.



کابل های افشان شیلددار با عایق روکش پی.وی.سی

Nominal cross section mm ²	NO. of strands x Diameter N x mm	Insulation thickness mm	No. of sheathed x Diameter N x mm	AL/PE Thickness micron	Sheathed thickness mm	Weight Kg/km
2x0.50	16x0.20	0.60	48x0.12	20	1	81
2x0.75	24x0.20	0.60	48x0.12	25	1	93
2x1	32x0.20	0.60	48x0.16	25	1	108
2x1.5	30x0.25	0.70	48x0.16	25	1	135
2x2.5	50x0.25	0.80	56x0.16	30	1.3	204
2x4	56x0.30	0.80	64x0.16	35	1.3	260
2x6	84x0.30	0.80	64x0.16	50	1.3	326
3x0.50	16x0.20	0.60	48x0.12	25	1	90
3x0.75	24x0.20	0.60	48x0.12	25	1	104
3x1	32x0.20	0.60	48x0.16	25	1	121
3x1.5	30x0.25	0.70	48x0.16	30	1	154
3x2.5	50x0.25	0.80	56x0.16	35	1.3	234
3x4	56x0.30	0.80	64x0.16	50	1.3	304
3x6	84x0.30	0.80	72x0.16	50	1.3	397
4x0.50	16x0.20	0.60	48x0.12	25	1	103
4x0.75	24x0.20	0.60	48x0.12	25	1	120
4x1	32x0.20	0.60	48x0.16	30	1	140
4x1.5	30x0.25	0.70	48x0.16	30	1	202
4x2.5	50x0.25	0.80	56x0.16	35	1.3	276
4x4	56x0.30	0.80	64x0.16	50	1.3	370
4x6	84x0.30	0.80	64x0.16	50	1.3	477
5x0.50	16x0.20	0.60	48x0.12	25	1	117
5x0.75	24x0.20	0.60	48x0.12	30	1	137
5x1	32x0.20	0.60	48x0.16	30	1	160
5x1.5	30x0.25	0.70	48x0.16	35	1.3	231
5x2.5	50x0.25	0.80	56x0.16	50	1.3	321
5x4	56x0.30	0.80	64x0.16	50	1.3	433
5x6	84x0.30	0.80	72x0.16	50	1.3	561

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN



HIGH FREQUENCY COAXIAL CABLES

Standard : JIS C3501

Construction : Plain Annealed Copper Wire

Shielded Al : Foil & Plain

Tinned Copper Wire & Ccam & AL

Insulation: PE

Sheathed : PVC

Application : For Color Tv Antenna Connection &
Transmission Of RF Signals

کابل های کوآکسیال RG با روکش پی.وی.سی

Type of Cable	Inner Conductor Diameter	Insulation thickness	No. of Shield braiding	Sheath thickness	Mean overall Diameter	Weight	Capacitance	Attenuation	Impedance	Test voltage
--	N x mm	mm	N x mm	mm	mm	Kg/km	nf/km	db/km	Ω	V
RG11/ U CU	7x0.40	3	16x12x0.18	1.1	10.1-10.2	136	67±3	75	75±3	200
RG6/ U CU	1x1.02	1.8	16x5x0.16	0.8	6.9-7.1	54	67±3	69	75±3	200
RG59/ U	1x0.65	1.5	16x7x0.16	0.9	6.2-6.4	44	67±3	52	75±3	200
RG58 A/U	19x0.18	1.4	16x7x0.13	0.8	4.9-5.1	40	67±3	75	75±3	200

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KNX CABLES / JY(ST)YH

Construction : Conductors very fine annealed Copper wire

Insulation : PVC Insulation Sheath

Shield : A layer of polyester tape is wrapped over the pairs and after placing a tin-plated drain wire on it, the whole assembly is covered with aluminum foil.

Colore : Green

کابل هوشمندسازی ساختمان KNX

Number of pairs	Sheath Thickness	Overall Diameter	Max. of conductor Resistance AT20c	Weight
N	mm	mm	Ω /KM	Kg/km
2*2*0.80	0.9	7.30	36.6	62.5

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN



SCREEN CABLES / J-2Y(ST)Y / J-Y(ST)Y

Standard : TCI & VDE 0815, ASTM D 4565

Rated voltage : 200 V

Construction : Plain Annealed Copper, Conductor Diameter 0.6 mm, Core Wrapping, Shield Made Of Plastic-coated, Aluminum Foil With Earth Wire Dia. 0.40 mm

Insulation : PE

Sheathed : PE / Gray PVC

Application : for telephone And signal transmits direct laying in doors on or under plaster and outdoors. Under ground is not permissible.

کابل های مخابراتی زمینی با عایق و روکش پلی اتیلن براساس استاندارد شرکت مخابرات ایران TCI

Number of pairs N	Sheath Thickness mm	Overall Diameter mm	Max. of conductor Resistance AT20c Ω/KM		Insulation Resistance GΩ/Km	Mutual Capacitance at 1000HZ nf/km	Dielectric Strength s		Weight Kg/km
			0.60	0.40			One conductor with all other 2.4kv (DC)	Between core to shield 5kv (DC)	
2	1	6	65	147	20	52±4	3	3	30
4	1	7.4	65	147	20	52±4	3	3	48
6	1	8.1	65	147	20	52±4	3	3	62
8	1	8.9	65	147	20	52±4	3	3	77
10	1	9.6	65	147	20	52±4	3	3	93
20	1.1	12.5	65	147	20	52±4	3	3	168

These Cables Will Be Also Produced With V.D.E And B.S Standard According to Customer Request

کابل های مخابراتی هوایی با عایق پلی اتیلن و روکش پی.وی.سی براساس استاندارد شرکت مخابرات ایران TCI

Number of pairs N	Sheath Thickness mm	Overall Diameter mm	Max. of conductor Resistance AT20c Ω/KM		Insulation Resistance GΩ/Km	Mutual Capacitance at 1000HZ nf/km	Dielectric Strength s		Weight Kg/km
			0.60	0.40			One conductor with all other 2.4kv (DC)	Between core to shield 5kv (DC)	
2	0.8	5.8	65	147	500	100	500	500	35
4	0.8	7.1	65	147	500	100	500	500	56
6	1	8.5	65	147	500	100	500	500	82
8	1	9.4	65	147	500	100	500	500	100
10	1	10.1	65	147	500	100	500	500	118
20	1.1	12.4	65	147	500	100	500	500	200

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

INFLEXIBLE PVC INSULATED CABLES

Standard : INSO (607) 10, IEC 60227, IEC 60227-1

Construction: 2, 3, 4 or 5 Solid or Standard Annealed
Copper Conductors, PVC Insulation, PVC Sheath, PVC Filter

Rated Voltage : 300 / 500 KV

Color : Black

Application : For Outdoors and Indoors, in damp
within plaster and Ground.



کابل های فشار ضعیف با عایق و روکش پی.وی.سی برای ولتاژ 300-500 ولت مطابق استاندارد ملی ایران 10 (607) INSO

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Filler thickness	sheath thickness	Mean overall Diameter		Weight	Max. of conductor resistance at 25c	Current capacity at 25c
					mm	mm			
mm ²	N x mm	mm	mm	mm	Min	Max	Kg/km	Ω/KM	A
2x1.5	1x1.38	0.7	0.4	1.2	7.6	10	116	12.1	20
2x2.5	1x1.78	0.8	0.4	1.2	8.6	11.5	167	7.41	27
2x4	1x2.25	0.8	0.4	1.2	9.6	12.5	207	4.61	36
2x6	1x2.76	0.8	0.4	1.2	10.5	13.5	275	3.08	47
2x10	1x3.57	1	0.6	1.4	13	16.5	417	1.83	65
2x16	7x1.7	1	0.6	1.4	15.5	20	648	1.15	87
3x1.5	1x1.38	0.7	0.4	1.2	8	10.5	136	12.1	20
3x2.5	1x1.78	0.8	0.4	1.2	9.2	12	189	7.41	27
3x4	1x2.25	0.8	0.4	1.2	10	13	250	4.61	36
3x6	1x2.76	0.8	0.4	1.4	11.5	14.5	338	3.08	47
3x10	1x3.57	1	0.6	1.4	14	17.5	538	1.83	65
4x1.5	1x1.38	0.7	0.4	1.2	8.6	11.5	167	12.1	20
4x2.5	1x1.78	0.8	0.4	1.2	10	13	235	7.41	27
4x4	1x2.25	0.8	0.4	1.4	11.5	14.5	324	4.61	36
4x6	1x2.76	0.8	0.6	1.4	12.5	16	435	3.08	47
4x10	1x3.57	1	0.6	1.4	15.5	19	669	1.83	65
5x1.5	1x1.38	0.7	0.4	1.2	9.4	12	191	12.1	20
5x2.5	1x1.78	0.8	0.4	1.2	11	14	272	7.41	27
5x4	1x2.25	0.8	0.6	1.4	12.5	16	396	4.61	36
5x6	1x2.76	0.8	0.6	1.4	13.5	17.5	520	3.08	47

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سیمین الکتریک خراسان
SIMIN ELECTRIC KHORASAN

FLEXIBLE HFFR

Halogen Free Fire Resistant cables 0.6/1 KV

Standard : INSO 3569, BS 5469, IEC 60502, IEC 60331

Rated Voltage : 0.6/1 KV

Conductor : Copper Conductor (Class 5), Poly ole fin (HFFR)

Insulation & poly ole fin (HFFR) jacket.

Application : This could be in an underground or over ground railway, airport, hospital, ship, offshore rig or in any other public building or space.



کابل های افشان هالوژن فری با نوار میکا

Nominal cross section	NO. of strands x Diameter	Insulation thickness	Mica tape thickness	Sheathed thickness	Overall diameter	Weight	Max. conductor resistance at 25c
mm ²	N x mm	mm	mm	mm	mm	Kg/km	Ω/KM
2x1.5	30x0.25	0.7	0.13	1.2	9.8	98.86	13.3
2x2.5	50x0.25	0.8	0.13	1.2	11.1	130.4	7.98
2x4	56x0.30	0.8	0.13	1.3	12.45	177.4	4.95
2x6	84x0.30	0.8	0.13	1.4	13.8	231.6	3.3
3x1.5	30x0.25	0.7	0.13	1.2	10.3	124.6	13.3
3x2.5	50x0.25	0.8	0.13	1.2	11.7	168.6	7.98
3x4	56x0.30	0.8	0.13	1.4	13.5	239.6	4.95
3x6	84x0.30	0.8	0.13	1.5	14.75	315.8	3.3
4x1.5	30x0.25	0.7	0.13	1.2	11.14	152.8	13.3
4x2.5	50x0.25	0.8	0.13	1.4	13.1	221.3	7.98
4x4	56x0.30	0.8	0.13	1.4	14.5	299.5	4.95
4x6	84x0.30	0.8	0.13	1.5	16.1	397.5	3.3

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