PT SUPREME CABLE

MANUFACTURING & COMMERCE Tbk.

(PT SUCACO Tbk.)

Cert. No. : ID16/03504 Cert. No. :ID05/66527 Cert. No. : ID21/05663

Product Catalogue

AIRPORT LIGHTING CABLE

Scan For Catalogue

QUALITY CABLE YOU CAN TRUST

www.sucaco.com @supreme_cable @supreme_cable

Company Background

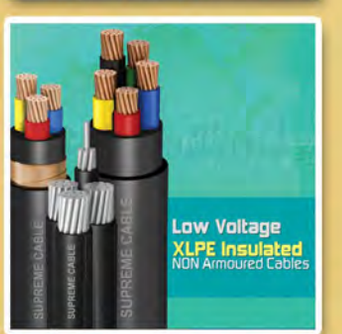
Specializing in the cable business since 1970, PT SUPREME CABLE MANUFACTURING & COMMERCE Tbk. (PT SUCACO Tbk.) has grown steadly to become a largest and leading cable manufacturer, with international reputation for quality and reliability. Established in 1970, PT SUCACO Tbk. is a pioneer in the modern industry. With technical assistance from Furukawa Electric Co Ltd. Japan and International Executives Service Corp, USA, the company began commercial operations in 1972.

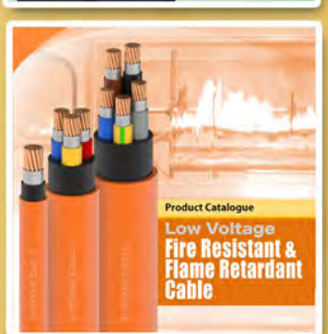
We produce and markets power cable up to 150 kV, optical and telecommunication cables, control cables, instrumentation cables, coaxial cables, fire resistant cable, airport lighting cable, aluminium bare over head conductors and enamelled wires under brand name of " SUPREME ". The Company is also involved through its affiliated companies, in various line of business. The company has a Quality Assurance Program and ISO 9001 certificate from SGS international certification body of quality management system, ISO 14001 for environment management system and ISO 18001 for safety management system. Today, PT SUCACO Tbk. has grown to become a reliable partner in infrastructures, buildings and various projects.

OUR PRODUCTS

SUPREME

SUPREME CABLE





*For each product's detail, please found on our product catalogue

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Main Uses of Power Cables and Conductors

Hydro Electric Power Plan

Main uses:
MV, LV, Building Wire,
Ground Conductor

Thermal Power Plan

Main uses:
MV, LV, Building Wire,
Ground Conductor

Nuclear Power Plan

Main uses:
MV, LV, Building Wire,
Ground Conductor

- Bare Aluminium Conductor

- Bare Aluminium Conductor
- HV Under Ground Cable

Extra High Voltage Transmission Line

- Bare Aluminium Conductor

High Voltage Transmission Line

- Bare Aluminium Conductor
- MV (Aerial or Under Ground Cable)

Medium & Low Voltage Distribution Line

- MV Under Ground Cable

- MV Under Ground Cable

Industry

Cable main uses:
MV, LV, Building Wire

Buildings (Office, Shopping Mall, Hotel)

Cable main uses:
MV, LV, Building Wire

Airport

Cable main uses:
MV, LV, FLYCY, FL2XCY, FLYCwbY, FLN2XCY, Building Wire

- MV
(Aerial or
Under Ground
Cable)

- LV
(Aerial or
Under Ground
Cable)

Domestic Consumers

Cable main uses:
Building Wire

FL2XCY 3.6/6 kV

Manufacturing Specification

Copper conductor, XLPE insulated, Copper wire screened and PVC sheathed cable.

Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. Extruded semi-conducting compound
3. XLPE Insulation
4. Extruded semi-conducting compound
5. Annealed copper wire screen
6. Suitable tape binder
7. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/4	1	re	3,0	1,8	16	313	380	1000
6/4	7	rm	3,0	1,8	17	324	410	1000
6/6	1	re	3,0	1,8	16	335	380	1000
6/6	7	rm	3,0	1,8	17	347	410	1000

ELECTRICAL DATA

Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/4	3,08	4,61
6/6	3,08	3,08

Note : This is only general information. For other specific requirement, please contact our marketing.

FL2XCY 6/10 kV

Manufacturing Specification

Copper conductor, XLPE insulated, Copper wire screened and PVC sheathed cable.

Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. Extruded semi-conducting compound
3. XLPE Insulation
4. Extruded semi-conducting compound
5. Annealed copper wire screen
6. Suitable tape binder
7. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/6	1	re	3,5	1,8	17	364	410	1000
6/6	7	rm	3,5	1,8	18	376	430	1000

ELECTRICAL DATA

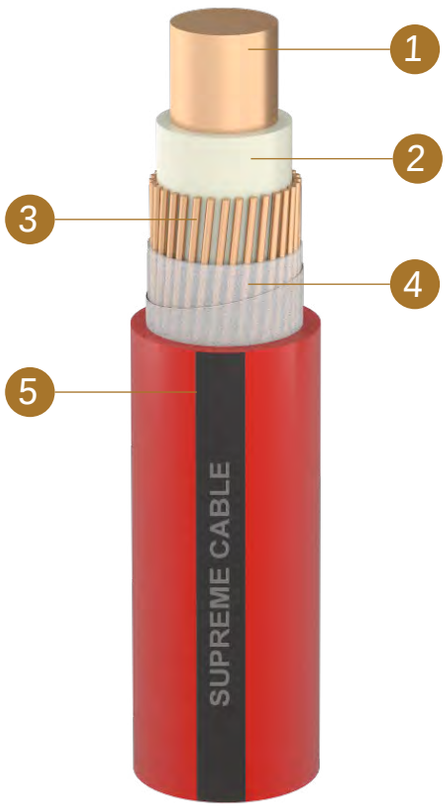
Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/6	3,08	3,08

Note : This is only general information. For other specific requirement, please contact our marketing.

FLN2XCY 3.6/6 kV

Manufacturing Specification

Copper conductor, XLPE insulated, Copper wire screened and PVC sheathed cable.



Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. XLPE Insulation
3. Annealed copper wire screen
4. Suitable tape binder
5. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/4	1	re	3,0	1,8	14	249	340	1000
6/4	7	rm	3,0	1,8	14	258	340	1000
6/6	1	re	3,0	1,8	14	267	340	1000
6/6	7	rm	3,0	1,8	14	276	340	1000

ELECTRICAL DATA

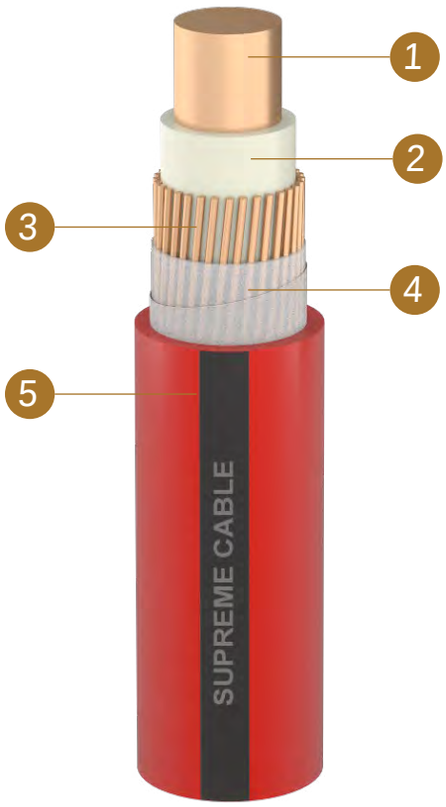
Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/4	3,08	4,61
6/6	3,08	3,08

Note : This is only general information. For other specific requirement, please contact our marketing.

FLN2XCY 6/10 kV

Manufacturing Specification

Copper conductor, XLPE insulated, Copper wire screened and PVC sheathed cable.



Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. XLPE Insulation
3. Annealed copper wire screen
4. Suitable tape binder
5. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/6	1	re	3,5	1,8	15	290	360	1000
6/6	7	rm	3,5	1,8	15	300	360	1000

ELECTRICAL DATA

Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/6	3,08	3,08

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCY 1/2 kV

Manufacturing Specification

Copper conductor, PVC insulated, Copper wire screened and PVC sheathed cable.

Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire screen
4. Suitable tape binder
5. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/2.5	1	re	1,5	1,8	11	184	265	1000
6/2.5	7	rm	1,5	1,8	11	192	265	1000

ELECTRICAL DATA

Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/2.5	3,08	7,41

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCY 1.5/3 kV

Manufacturing Specification

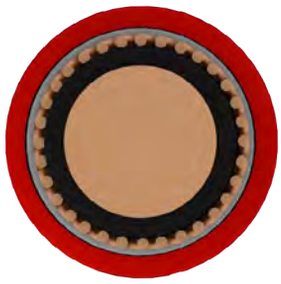
Copper conductor, PVC insulated, Copper wire screened and PVC sheathed cable.

Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire screen
4. Suitable tape binder
5. PVC sheath



DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/2.5	1	re	2,5	1,8	13	235	315	1000
6/2.5	7	rm	2,5	1,8	13	245	315	1000

ELECTRICAL DATA

Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/2.5	3,08	7,41

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCY 2.5/5 kV

Manufacturing Specification

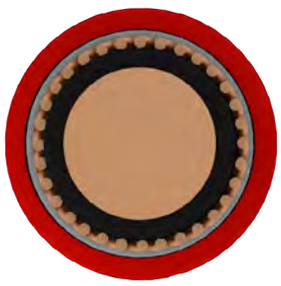
Copper conductor, PVC insulated, Copper wire screened and PVC sheathed cable.

Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire screen
4. Suitable tape binder
5. PVC sheath



DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/4	1	re	3,0	1,8	14	279	340	1000
6/4	7	rm	3.0	1,8	14	290	340	1000

ELECTRICAL DATA

Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/4	3,08	4,61

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCY 3.6/6 kV

Manufacturing Specification

Copper conductor, PVC insulated, Copper wire screened and PVC sheathed cable.

Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire screen
4. Suitable tape binder
5. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/4	1	re	3,0	1,8	14	279	340	1000
6/4	7	rm	3,0	1,8	14	290	340	1000
6/6	1	re	3,0	1,8	14	296	340	1000
6/6	7	rm	3,0	1,8	14	308	340	1000

ELECTRICAL DATA

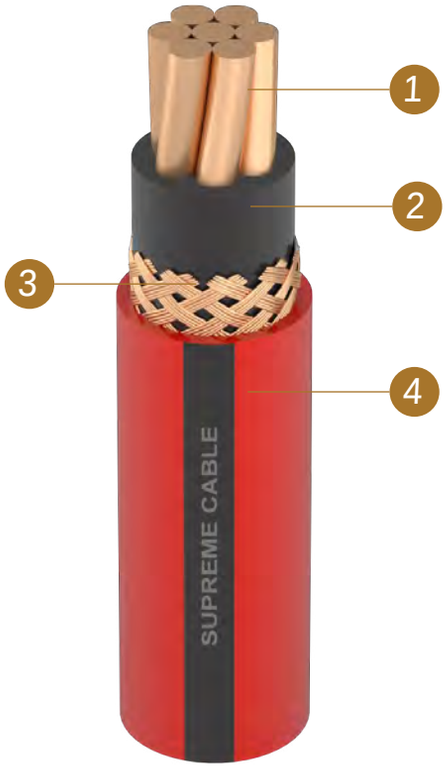
Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/4	3,08	4,61
6/6	3,08	3,08

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCwbY 1/2 kV

Manufacturing Specification

Copper conductor, PVC insulated, Copper wire braided screened and PVC sheathed cable.



Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire braided screen
4. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/2.5	1	re	1,5	1,8	10	181	240	1000
6/2.5	7	rm	1,5	1,8	11	190	270	1000

ELECTRICAL DATA

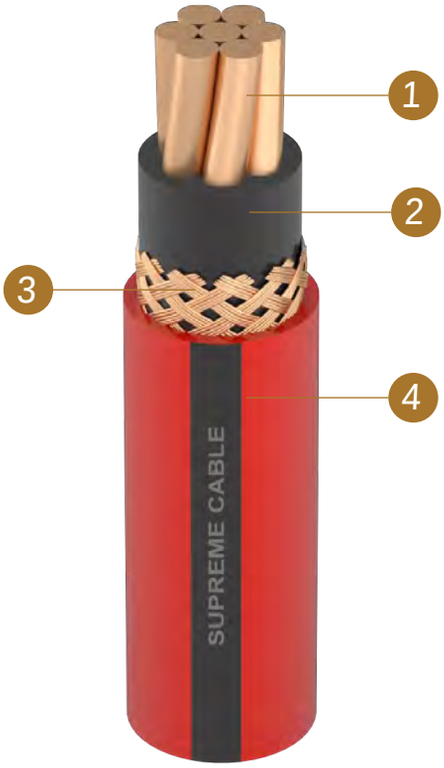
Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/2.5	3,08	7,41

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCwbY 1.5/3 kV

Manufacturing Specification

Copper conductor, PVC insulated, Copper wire braided screened and PVC sheathed cable.



Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire braided screen
4. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/2.5	1	re	2,5	1,8	12	237	288	1000
6/2.5	7	rm	2,5	1,8	13	248	310	100

ELECTRICAL DATA

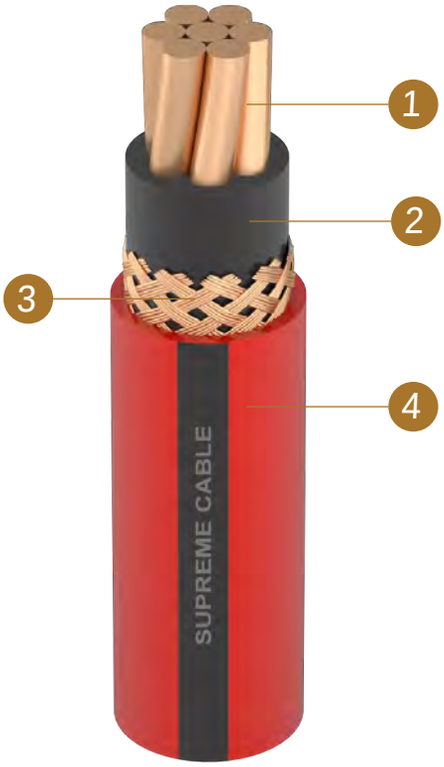
Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/2.5	3,08	7,41

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCwbY 2.5/5 kV

Manufacturing Specification

Copper conductor, PVC insulated, Copper wire braided screened and PVC sheathed cable.



Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire braided screen
4. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/4	1	re	3,0	1,8	13	284	310	1000
6/4	7	rm	3,0	1,8	14	296	340	1000

ELECTRICAL DATA

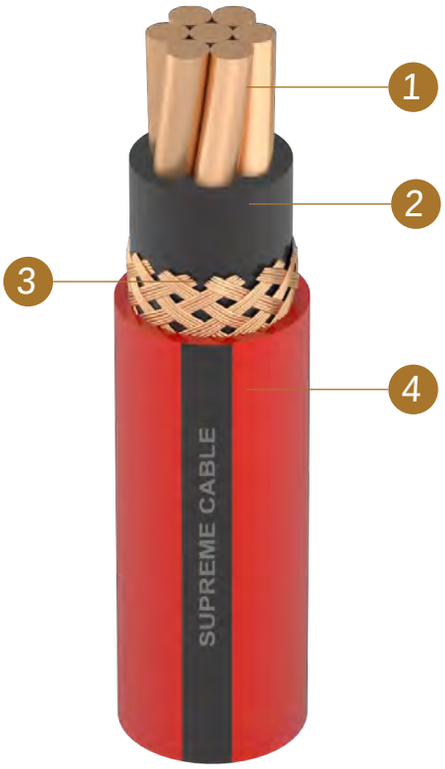
Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/4	3,08	4,61

Note : This is only general information. For other specific requirement, please contact our marketing.

FLYCwbY 3.6/6 kV

Manufacturing Specification

Copper conductor, PVC insulated, Copper wire braided screened and PVC sheathed cable.



Main Uses:

These cable are used for series lighting circuits for runway, control systems, and other multi-purpose installation.

Construction :

1. Bare copper conductor according to IEC 60228
2. PVC Insulation
3. Annealed copper wire braided screen
4. PVC sheath

DIMENSION & MECHANICAL DATA

Nominal cross-section area of conductor/screen	No of wire and conductor shape		Nominal insulation thickness	Nominal outer sheath thickness	Overall cable diameter (approx)	Net weight (approx)	Bending diameter min	Standard delivery length
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
6/4	1	re	3,0	1,8	13	284	310	1000
6/4	7	rm	3,0	1,8	14	296	340	1000
6/6	1	re	3,0	1,8	13	294	310	1000
6/6	7	rm	3,0	1,8	14	300	340	1000

ELECTRICAL DATA

Nominal cross-section area of conductor/screen	DC Resistance at 20°C	
	Conductor	Screen
mm²	Ω/km	Ω/km
6/4	3,08	4,61
6/6	3,08	3,08

Note : This is only general information. For other specific requirement, please contact our marketing.

CONVERSION TABLE

Nominal cross sectional area			Wire gauge			
mm^2	Inc^2	Circular Mils (CM)	Equivalent Metric CSA	AWG	BWG	SWG
	0.0005	644	0.325	22	-	-
	0.0006	487	0.397	-	22	22
	0.0006	821	0.416	21	-	-
0.50	0.0008	987	-	-	-	-
	0.0008	1,021	0.517	20	-	-
	0.0008	1,025	0.519	-	21	21
	0.0009	1,198	0.607	-	20	-
	0.0010	1,289	0.653	19	-	-
	0.0010	1,297	0.657	-	-	20
	0.0013	1,601	0.811	-	-	19
0.75	0.0012	1,481	-	-	-	-
	0.0013	1,625	0.823	18	-	-
	0.0014	1,765	0.894	-	19	-
1.0	0.0016	1,974	-	-	-	-
	0.0016	2,053	1.040	17	-	-
	0.0016	2,304	1.167	-	-	18
	0.0019	2,402	1.217	-	18	-
	0.0020	2,584	1.309	16	-	-
1.5	0.0023	2,961	-	-	-	-
	0.0025	3,137	1.589	-	-	17
	0.0026	3,257	1.650	15	-	-
	0.0026	3,366	1.705	-	17	-
	0.0032	4,096	2.075	-	-	16
	0.0032	4,108	2.081	14	-	-
	0.0033	4,226	2.141	-	16	-
2.5	0.0039	4,935	-	-	-	-
	0.0040	5,180	2.624	13	-	-
	0.0040	5,186	2.627	-	15	15
	0.0050	6,402	3.243	-	-	14
	0.0051	6,532	3.309	12	-	-
	0.0054	6,891	3.491	-	14	-
4	0.0062	7,896	-	-	-	-
	0.0065	8,236	4.172	11	-	-
	0.0066	8,466	4.269	-	-	13
	0.0071	9,072	4.573	-	13	-
	0.0082	10,387	5.262	10	-	-
	0.0085	10,819	5.481	-	-	12
	0.0093	11,883	6.020	-	12	-
6	0.0093	11,844	-	-	-	-
	0.0103	13,092	6.632	9	-	-
	0.0106	13,459	6.816	-	-	11
	0.0113	14,404	7.297	-	11	-
	0.0129	16,388	8.302	-	-	10
	0.0130	16,518	8.368	8	-	-
	0.0141	17,959	9.098	-	10	-
10	0.0155	19,740	-	-	-	-
	0.0163	20,766	10.520	-	-	9
	0.0164	20,826	10.550	7	-	-
	0.0172	21,911	11.100	-	9	-
	0.0201	25,603	12.970	-	-	8
	0.0206	26,254	13.300	6	-	-
	0.0214	27,241	13.800	-	8	-
	0.0243	30,992	15.700	-	-	7
16	0.0248	31,584	-	-	-	-
	0.0255	32,413	16.420	-	7	-
	0.0260	33,104	16.770	5	-	-

Nominal cross sectional area			Wire gauge			
mm^2	Inc^2	Circular Mils (CM)	Equivalent Metric CSA	AWG	BWG	SWG
	0.0290	36,874	18.68	-	-	6
	0.0324	41,217	20.88	-	6	-
	0.0326	41,750	21.15	4	-	-
	0.0353	44,948	22.77	-	-	5
	0.0380	48,402	24.52	-	5	-
25	0.0388	49,350	-	-	-	-
	0.0413	52,627	26.66	3	-	-
	0.0423	53,831	27.27	-	-	4
	0.0445	56,654	28.70	-	4	-
	0.0499	63,523	32.18	-	-	3
	0.0521	66,386	33.63	2	-	-
	0.0527	67,096	33.99	-	3	-
35	0.0543	69,090	-	-	-	-
	0.0598	76,196	28.60	-	-	2
	0.0633	80,677	40.87	-	2	-
	0.0657	83,717	42.41	1	-	-
	0.0707	90,014	45.60	-	1	1
50	0.0775	98,700	-	-	-	-
	0.0824	404,997	53.19	-	-	1/0
	0.0829	105,589	53.49	1/0	-	-
	0.0908	115,637	58.58	-	1/0	-
	0.0951	121,125	61.36	-	-	2/0
	0.1045	133,087	67.42	2/0	-	-
70	0.1085	138,180	-	-	-	-
	0.1087	138,417	70.12	-	-	3/0
	0.1134	144,438	73.17	-	2/0	-
	0.1257	160,032	81.07	-	-	4/0
	0.1318	167,849	85.03	3/0	-	-
	0.1419	180,660	91.52	-	3/0	-
	0.1466	186,661	94.56	-	-	5/0
95	0.1473	187,530	-	-	-	-
	0.1616	206,086	104.40	-	4/0	-
	0.1691	211,613	107.20	4/0	-	-
	0.1860	215,363	109.10	-	-	6/0
120	0.1860	236,880	-	-	-	-
	0.1963	249,987	126.64	-	-	-
	0.1964	250,106	126.70	-	5/0	7/0
	0.2091	266,332	134.92	5/0	-	-
150	0.2325	296,100	-	-	-	-
	0.2356	300,048	152.00	-	-	-
	0.2642	336,488	170.46	6/0	-	-
185	0.2868	365,190	-	-	-	-
	0.3142	400,150	202.71	-	-	-
240	0.3720	473,760	-	-	-	-
	0.3927	500,113	253.35	-	-	-
300	0.4650	592,200	-	-	-	-
	0.4712	600,096	304.00	-	-	-
	0.5498	700,198	354.71	-	-	-
400	0.6200	789,600	-	-	-	-
	0.6283	800,161	405.35	-	-	-
500	0.7750	987,000		-	-	-
	0.7854	1,000,246	506.71	-	-	-
625	0.9688	1,233,750	-	-	-	-
630	0.9765	1,243,620	-	-	-	-
800	1.2400	1,597,200	-	-	-	-
1,000	1.5500	1,974,000	-	-	-	-

Note : • AWG = American Wire Gauge • BWG = Birmingham Wire Gauge • SWG = British Standard Wire Gauge

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