PT SUPREME CABLE
MANUFACTURING & COMMERCE Tbk.

(PT SUCACO Tbk.)

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

Product Catalogue

FIRE RESISTANT & FLAME RETARDANT CABLE

Scan For Catalogue

QUALITY CABLE YOU CAN TRUST

www.sucaco.com @supreme_cable @supreme_cable

Company Background

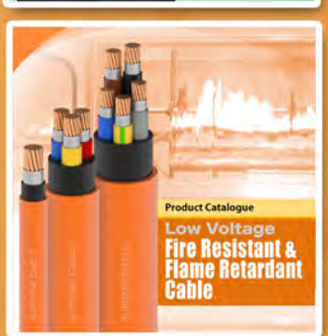
Specializing in the cable business since 1970, PT SUPREME CABLE MANUFACTURING & COMMERCE Tbk. (PT SUCACO Tbk.) has grown steadly to become a largest and leading cable manufacturer, with international reputation for quality and reliability. Established in 1970, PT SUCACO Tbk. is a pioneer in the modern 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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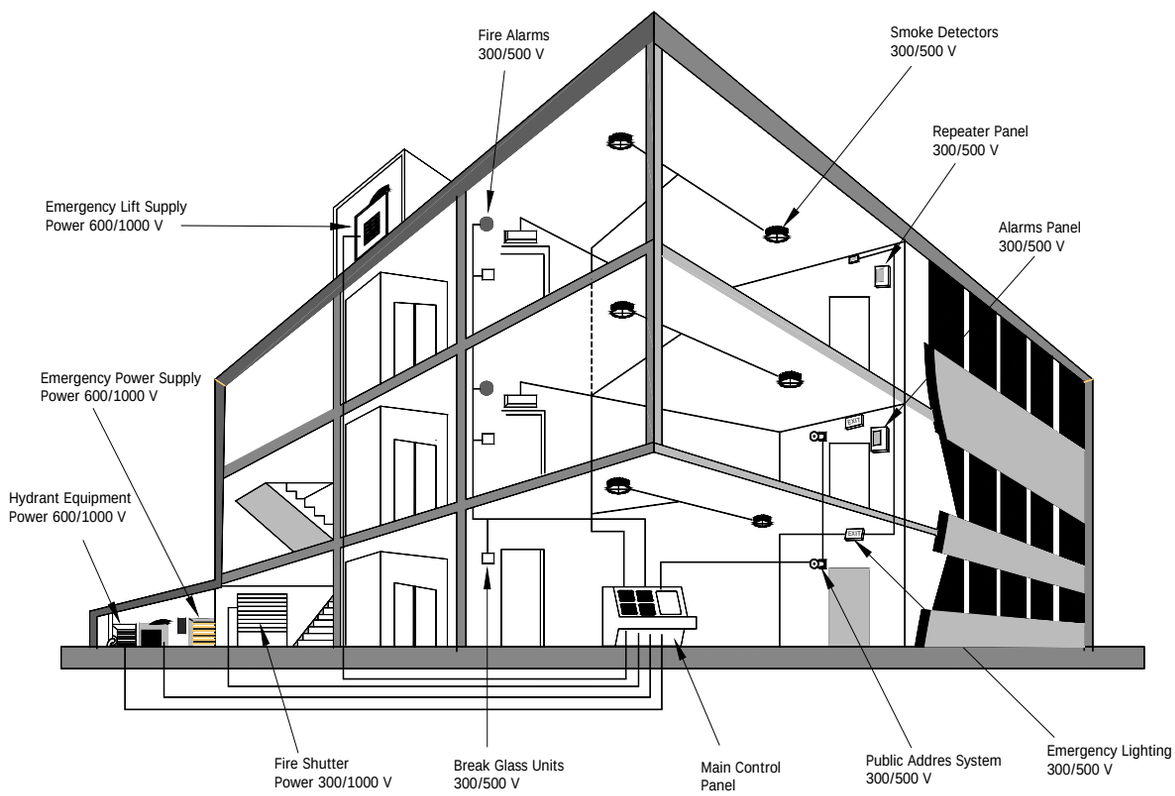
APPLICATION

Fire Resistant Cable are specifically designed to facilitate the quick and orderly evacuation of the buildings occupants in the event of an emergency. propose designed to maintain circuit integrity to a host of critical safety system, including fire alarms, loud Speaker, emergency ligths, CCTV systems Smoke detector and emergency power supplies.

In management systems, emergency power supply, lift, elevator and emergency lightings

In chemical industry, textile industry, oil refinery, machine industry, power station.

Flame retardant cable they are intended for uses in vertical flame propagation when laid in trunking, cable trays or conduits, they are particularly suited for uses public acess and buildings such as Industry, Apartement, shopping mall, hotels, hospitals, office building, house, etc.



STANDARD

Applicable Standard

IEC 60502-1	Power Cable With Extruded insulation and their accessories for rated voltage From 0.6/1 kV (Um = 1.2 kV)
IEC 60331	Tests for electrical cables under fire conditions Circuit integrity Fire alone at a flame temperature of at least 750 °C
IEC 60332- Part1	Test on electric and optical fibre cables under fire conditons Test for vertical flame propagation for a single insulated wire of cables
IEC 60332- Part3 Category A, B, C	Test on electric and optical fibre cables under fire conditons Test for vertical Flame spread of vertically - mounted bunched wires of cables - Category A or B or C
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 60754	Test on gasaes evolved dutring combustion of materials from cables determination of the holgen acid gas content

FIRE RESISTANT TEST

FLAME RETARDANT TEST

CONDUCTOR
Round stranded annealed copper wire (rm)

WRAPPING
Fire Resistant Tape

INSULATION
Cross-linked Polyethylene (XLPE) or
Polyvinyl chloride (PVC)

INNER SHEATH
Polyvinyl chloride (PVC) Flame retardant

OUTER SHEATH
Polyvinyl chloride (PVC) Flame retardant

CU/MT/PVC/PVC (NYY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, PVC insulated and PVC flame retardant outer sheath

Main Uses : Used for indoor unarmoured, they are intended for uses in installations where vital circuits are required to continue to operated in the event of an outbreak of fire. they are particularly suited for uses in public buildings, such as hospitals, Schools, Banks, theatres, shopping developments, tunnels, mass transit utilities, oil & petrochemical plants, power stations and computer installations where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to life

DIMENSIONAL & MECHANICAL DATA

1 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,8	1,4	7	69	80	1000
2,5	7	rm	0,8	1,4	8	83	100	1000
4	7	rm	1,0	1,4	8,5	111	100	1000
6	7	rm	1,0	1,4	9	135	110	1000
10	7	rm	1,0	1,4	10	181	120	1000
16	7	rm	1,0	1,4	11	244	130	1000
25	7	rm	1,2	1,4	13	254	160	1000
35	7	rm	1,2	1,4	15	480	180	1000
50	19	rm	1,4	1,4	17	619	200	1000
70	19	rm	1,4	1,4	18	831	220	1000
95	19	rm	1,6	1,5	21	1116	250	1000
120	37	rm	1,6	1,5	22	1355	260	1000
150	37	rm	1,8	1,6	25	1654	300	1000
185	37	rm	2,0	1,7	27	2055	320	1000
240	61	rm	2,2	1,8	30	2655	360	1000
300	61	rm	2,4	1,9	33	3272	400	1000

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	12	21	33	0,19
2,5	7,41	10	25	45	0,32
4	4,61	10	46	58	0,50
6	3,08	8	58	76	0,73
10	1,83	6	80	98	1,20
16	1,15	5	100	107	1,91
25	0,727	5	135	138	2,96
35	0,524	4	170	185	4,13
50	0,387	4	205	196	5,87
70	0,268	3	260	240	8,19
95	0,193	3	320	289	11,09
120	0,153	3	375	329	13,98
150	0,124	3	430	374	17,46
185	0,0991	3	490	418	21,50
240	0,0754	3	590	481	27,86
300	0,0601	3	680	552	34,79

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

CU/MT/PVC/PVC (NYY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, PVC insulated and PVC flame retardant outer sheath

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DIMENSIONAL & MECHANICAL DATA — 2 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,8	1,8	14	264	170	1000
2,5	7	rm	0,8	1,8	15	306	180	1000
4	7	rm	1,0	1,8	17	399	200	1000
6	7	rm	1,0	1,8	18	469	220	1000
10	7	rm	1,0	1,8	20	602	240	1000
16	7	rm	1,0	1,8	22	779	260	1000
25	7	rm	1,2	1,8	26	1089	310	1000
35	7	rm	1,2	1,8	30	1479	360	1000
50	19	rm	1,4	1,8	33	1882	400	1000
70	19	rm	1,4	1,9	37	2497	440	1000
95	19	rm	1,6	2,0	42	3316	500	1000
120	37	rm	1,6	2,1	48	4192	580	500
150	37	rm	1,8	2,2	52	5086	620	500
185	37	rm	2,0	2,4	57	6239	680	500
240	61	rm	2,2	2,6	63	7928	760	350
300	61	rm	2,4	2,7	70	9703	840	300

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	12	21	27	0,19
2,5	7,41	10	29	36	0,32
4	4,61	10	38	47	0,50
6	3,08	8	48	59	0,73
10	1,83	6	66	78	1,20
16	1,15	5	90	102	1,91
25	0,727	5	120	134	2,96
35	0,524	4	150	160	4,13
50	0,387	4	180	187	5,87
70	0,268	3	230	230	8,19
95	0,193	3	275	280	11,09
120	0,153	3	320	320	13,98
150	0,124	3	375	355	17,46
185	0,0991	3	430	409	21,50
240	0,0754	3	510	472	27,86
300	0,0601	3	590	525	34,79

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CU/MT/PVC/PVC (NYY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, PVC insulated and PVC flame retardant outer sheath

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DIMENSIONAL & MECHANICAL DATA

3 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,8	1,8	15	296	180	1000
2,5	7	rm	0,8	1,8	16	348	190	1000
4	7	rm	1,0	1,8	18	461	220	1000
6	7	rm	1,0	1,8	19	550	230	1000
10	7	rm	1,0	1,8	21	722	250	1000
16	7	rm	1,0	1,8	23	952	280	1000
25	7	rm	1,2	1,8	27	1351	320	1000
35	7	rm	1,2	1,8	32	1843	380	1000
50	19	rm	1,4	1,8	35	2386	420	1000
70	19	rm	1,4	2,0	40	3226	480	1000
95	19	rm	1,6	2,1	45	4256	540	500
120	37	rm	1,6	2,2	51	5435	610	500
150	37	rm	1,8	2,3	56	6610	670	500
185	37	rm	2,0	2,5	61	8044	730	500
240	61	rm	2,2	2,7	68	10347	820	350
300	61	rm	2,4	2,9	75	12630	900	300

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	12	18	24	0,19
2,5	7,41	10	25	32	0,32
4	4,61	10	34	41	0,50
6	3,08	8	44	52	0,73
10	1,83	6	60	69	1,20
16	1,15	5	80	89	1,91
25	0,727	5	105	116	2,96
35	0,524	4	130	138	4,13
50	0,387	4	160	165	5,87
70	0,268	3	200	205	8,19
95	0,193	3	245	245	11,09
120	0,153	3	285	285	13,98
150	0,124	3	325	315	17,46
185	0,0991	3	370	355	21,50
240	0,0754	3	435	415	27,86
300	0,0601	3	500	465	34,79

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CU/MT/PVC/PVC (NYY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

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DIMENSIONAL & MECHANICAL DATA

4 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,8	1,8	16	341	190	1000
2,5	7	rm	0,8	1,8	17	406	200	1000
4	7	rm	1,0	1,8	20	543	240	1000
6	7	rm	1,0	1,8	21	655	250	1000
10	7	rm	1,0	1,8	23	871	280	1000
16	7	rm	1,0	1,8	26	1160	310	1000
25	7	rm	1,2	1,8	30	1662	360	1000
35	7	rm	1,2	1,8	35	2299	420	1000
50	19	rm	1,4	1,9	39	3020	470	1000
70	19	rm	1,4	2,1	44	4039	530	1000
95	19	rm	1,6	2,2	50	5396	600	500
120	37	rm	1,6	2,4	57	6917	680	500
150	37	rm	1,8	2,5	62	8337	740	350
185	37	rm	2,0	2,7	68	10232	820	350
240	61	rm	2,2	2,9	76	13071	910	300
300	61	rm	2,4	3,1	83	15979	1000	250

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	12	18	24	0,19
2,5	7,41	10	25	32	0,32
4	4,61	10	34	41	0,50
6	3,08	8	44	52	0,73
10	1,83	6	60	69	1,20
16	1,15	5	80	89	1,91
25	0,727	5	105	116	2,96
35	0,524	4	130	138	4,13
50	0,387	4	160	165	5,87
70	0,268	3	200	205	8,19
95	0,193	3	245	245	11,09
120	0,153	3	285	285	13,98
150	0,124	3	325	315	17,46
185	0,0991	3	370	355	21,50
240	0,0754	3	435	415	27,86
300	0,0601	3	500	465	34,79

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CU/MT/PVC/PVC (NYY-FE) 0.6/1 (1.2) kV

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DIMENSIONAL & MECHANICAL DATA

5 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,8	1,8	17	398	200	1000
2,5	7	rm	0,8	1,8	19	482	230	1000
4	7	rm	1,0	1,8	21	644	250	1000
6	7	rm	1,0	1,8	23	788	280	1000
10	7	rm	1,0	1,8	25	1048	300	1000
16	7	rm	1,0	1,8	28	1409	340	1000
25	7	rm	1,2	1,8	33	2047	400	1000
35	7	rm	1,2	1,9	39	2845	470	1000
50	19	rm	1,4	1,9	44	3743	530	1000

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	12	18	24	0,19
2,5	7,41	10	25	32	0,32
4	4,61	10	34	41	0,50
6	3,08	8	44	52	0,73
10	1,83	6	60	69	1,20
16	1,15	5	80	89	1,91
25	0,727	5	105	116	2,96
35	0,524	4	130	138	4,13
50	0,387	4	160	165	5,87

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DIMENSIONAL & MECHANICAL DATA

Control Cable 1,5 mm²

No. of Core x Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
Core x mm²	pcs	-	mm	mm	mm	kg/km	mm	m
7x1.5	7	rm	0,8	1,8	20	252	240	1000
8x1.5	7	rm	0,8	1,8	21	504	250	1000
10x1.5	7	rm	0,8	1,8	24	604	290	1000
12x1.5	7	rm	0,8	1,8	25	677	300	1000
14x1.5	7	rm	0,8	1,8	26	757	310	1000
16x1.5	7	rm	0,8	1,8	27	842	320	1000
19x1.5	7	rm	0,8	1,8	29	951	350	1000
21x1.5	7	rm	0,8	1,8	31	1083	370	1000
24x1.5	7	rm	0,8	1,8	33	1175	400	1000
30x1.5	7	rm	0,8	1,8	35	1391	420	500
40x1.5	7	rm	0,8	2,0	40	1835	480	500
52x1.5	7	rm	0,8	2,1	44	2340	530	500
61x1.5	7	rm	0,8	2,2	47	2697	560	500

ELECTRICAL DATA

No. of Core x Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
Core x mm²	Ω/km	m.Ω.km	A	A	kA
7x1.5	12,1	12	10	14	0,19
8x1.5	12,1	12	10	14	0,19
10x1.5	12,1	12	9	12	0,19
12x1.5	12,1	12	9	12	0,19
14x1.5	12,1	12	8	10	0,19
16x1.5	12,1	12	8	10	0,19
19x1.5	12,1	12	7	9	0,19
21x1.5	12,1	12	7	9	0,19
24x1.5	12,1	12	6	8	0,19
30x1.5	12,1	12	6	8	0,19
40x1.5	12,1	12	5	7	0,19
52x1.5	12,1	12	5	7	0,19
61x1.5	12,1	12	4	6	0,19

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DIMENSIONAL & MECHANICAL DATA — Control Cable 2,5 mm²

No. of Core x Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
Core x mm²	pcs	-	mm	mm	mm	kg/km	mm	m
7x2.5	7	rm	0,8	1,8	21	542	250	350
8x2.5	7	rm	0,8	1,8	23	611	280	300
10x2.5	7	rm	0,8	1,8	26	737	310	250
12x2.5	7	rm	0,8	1,8	27	833	320	1000
14x2.5	7	rm	0,8	1,8	28	935	340	1000
16x2.5	7	rm	0,8	1,8	29	1039	350	1000
19x2.5	7	rm	0,8	1,8	31	1188	370	1000
21x2.5	7	rm	0,8	1,8	33	1345	400	1000
24x2.5	7	rm	0,8	1,9	35	1491	420	500
30x2.5	7	rm	0,8	1,9	38	1814	460	500
40x2.5	7	rm	0,8	2,1	43	2366	520	500
52x2.5	7	rm	0,8	2,2	48	2999	580	500
61x2.5	7	rm	0,8	2,3	5,2	3562	60	500

ELECTRICAL DATA

No. of Core x Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
Core x mm²	Ω/km	m.Ω.km	A	A	kA
7x2.5	7,41	10	16	19	0,32
8x2.5	7,41	10	16	19	0,32
10x2.5	7,41	10	13	16	0,32
12x2.5	7,41	10	13	16	0,32
14x2.5	7,41	10	12	14	0,32
16x2.5	7,41	10	12	14	0,32
19x2.5	7,41	10	11	12	0,32
21x2.5	7,41	10	11	12	0,32
24x2.5	7,41	10	10	11	0,32
30x2.5	7,41	10	10	11	0,32
40x2.5	7,41	10	8	9	0,32
52x2.5	7,41	10	8	9	0,32
61x2.5	7,41	10	7	8	0,32

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

CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, XLPE insulated and PVC flame retardant outer sheath

Main Uses : Used for indoor unarmoured, they are intended for uses in installations where vital circuits are required to continue to operated in the event of an outbreak of fire. they are particularly suited for uses in public buildings, such as hospitals, Schools, Banks, theatres, shopping developments, tunnels, mass transit utilities, oil & petrochemical plants, power stations and computer installations where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to life

DIMENSIONAL & MECHANICAL DATA — 1 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,7	1,4	7	66	80	1000
2,5	7	rm	0,7	1,4	7,5	80	90	1000
4	7	rm	0,7	1,4	8	99	100	1000
6	7	rm	0,7	1,4	8,5	122	100	1000
10	7	rm	0,7	1,4	10	168	120	1000
16	7	rm	0,7	1,4	11	228	130	1000
25	7	rm	0,9	1,4	12	334	140	1000
35	7	rm	0,9	1,4	14	458	170	1000
50	19	rm	1,0	1,4	16	586	190	1000
70	19	rm	1,1	1,4	18	803	220	1000
95	19	rm	1,1	1,5	20	1062	240	1000
120	37	rm	1,2	1,5	22	1308	260	1000
150	37	rm	1,4	1,6	24	1602	290	1000
185	37	rm	1,6	1,6	26	1985	310	1000
240	61	rm	1,7	1,7	29	2563	350	1000
300	61	rm	1,8	1,8	32	3151	380	1000

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min. (Calculated)	In Air 0 0 0	In Ground 0 0 0	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	1090	30	38	0,26
2,5	7,41	890	40	52	0,41
4	4,61	740	53	66	0,64
6	3,08	630	66	88	0,93
10	1,83	510	92	112	1,53
16	1,15	410	115	123	2,41
25	0,727	420	155	158	3,37
35	0,524	360	195	189	5,18
50	0,387	340	235	225	7,36
70	0,268	320	298	275	10,26
95	0,193	270	367	332	13,88
120	0,153	270	430	378	17,49
150	0,124	280	494	429	21,81
185	0,0991	280	562	480	26,86
240	0,0754	260	677	552	34,78
300	0,0601	250	781	634	43,41

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CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, XLPE insulated and PVC flame retardant outer sheath

Main Uses : Used for indoor unarmoured, they are intended for uses in installations where vital circuits are required to continue to operated in the event of an outbreak of fire. they are particularly suited for uses in public buildings, such as hospitals, Schools, Banks, theatres, shopping developments, tunnels, mass transit utilities, oil & petrochemical plants, power stations and computer installations where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to life

DIMENSIONAL & MECHANICAL DATA — 2 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,7	1,8	14	241	170	1000
2,5	7	rm	0,7	1,8	15	280	180	1000
4	7	rm	0,7	1,8	16	338	190	1000
6	7	rm	0,7	1,8	17	404	200	1000
10	7	rm	0,7	1,8	19	530	230	1000
16	7	rm	0,7	1,8	21	698	250	1000
25	7	rm	0,9	1,8	25	988	300	1000
35	7	rm	0,9	1,8	29	1359	350	1000
50	19	rm	1,0	1,8	32	1711	380	1000
70	19	rm	1,1	1,8	36	2315	430	1000
95	19	rm	1,1	2,0	40	3052	480	1000
120	37	rm	1,2	2,1	46	3926	550	500
150	37	rm	1,4	2,2	50	4729	600	500
185	37	rm	1,6	2,3	55	5874	660	500
240	61	rm	1,7	2,5	61	7456	730	350
300	61	rm	1,8	2,7	67	9136	800	300

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min. (Calculated)	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	1090	24	31	0,26
2,5	7,41	890	33	41	0,41
4	4,61	740	44	54	0,64
6	3,08	630	55	68	0,93
10	1,83	510	76	89	1,53
16	1,15	410	103	117	2,41
25	0,727	420	138	154	3,37
35	0,524	360	172	184	5,18
50	0,387	340	207	215	7,36
70	0,268	320	264	264	10,26
95	0,193	270	316	321	13,88
120	0,153	270	367	367	17,49
150	0,124	280	430	407	21,81
185	0,0991	280	489	465	26,86
240	0,0754	260	580	536	34,78
300	0,0601	250	670	597	43,41

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CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, XLPE insulated and PVC flame retardant outer sheath

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DIMENSIONAL & MECHANICAL DATA — 3 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,7	1,8	15	276	180	1000
2,5	7	rm	0,7	1,8	16	327	190	1000
4	7	rm	0,7	1,8	17	402	200	1000
6	7	rm	0,7	1,8	18	487	220	1000
10	7	rm	0,7	1,8	20	652	240	1000
16	7	rm	0,7	1,8	22	874	260	1000
25	7	rm	0,9	1,8	26	1258	310	1000
35	7	rm	0,9	1,8	31	1734	370	1000
50	19	rm	1,0	1,8	34	2225	410	1000
70	19	rm	1,1	1,9	39	3071	470	1000
95	19	rm	1,1	2,0	43	3982	520	500
120	37	rm	1,2	2,1	49	5170	590	500
150	37	rm	1,4	2,3	54	6339	650	500
185	37	rm	1,6	2,4	59	7738	710	350
240	61	rm	1,7	2,6	66	9930	790	300
300	61	rm	1,8	2,8	72	12093	860	250

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min. (Calculated)	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	1090	21	27	0,19
2,5	7,41	890	29	37	0,32
4	4,61	740	39	47	0,50
6	3,08	630	50	60	0,73
10	1,83	510	69	79	1,20
16	1,15	410	92	102	1,91
25	0,727	420	120	133	2,96
35	0,524	360	149	158	4,13
50	0,387	340	184	189	5,87
70	0,268	320	230	235	8,19
95	0,193	270	281	281	11,09
120	0,153	270	327	327	13,98
150	0,124	280	373	362	17,46
185	0,0991	280	425	407	21,50
240	0,0754	260	499	476	27,86
300	0,0601	250	534	534	34,79

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CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, XLPE insulated and PVC flame retardant outer sheath

Main Uses : Used for indoor unarmoured, they are intended for uses in installations where vital circuits are required to continue to operated in the event of an outbreak of fire. they are particularly suited for uses in public buildings, such as hospitals, Schools, Banks, theatres, shopping developments, tunnels, mass transit utilities, oil & petrochemical plants, power stations and computer installations where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to life

DIMENSIONAL & MECHANICAL DATA — 4 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,7	1,8	16	341	190	1000
2,5	7	rm	0,7	1,8	17	406	200	1000
4	7	rm	0,7	1,8	20	543	240	1000
6	7	rm	0,7	1,8	21	655	250	1000
10	7	rm	0,7	1,8	23	871	280	1000
16	7	rm	0,7	1,8	26	1160	310	1000
25	7	rm	0,9	1,8	30	1662	360	1000
35	7	rm	0,9	1,8	35	2299	420	1000
50	19	rm	1,0	1,9	39	3020	470	1000
70	19	rm	1,1	2,1	44	4039	530	1000
95	19	rm	1,1	2,2	50	5396	600	500
120	37	rm	1,2	2,4	57	6917	680	500
150	37	rm	1,4	2,5	62	8337	740	500
185	37	rm	1,6	2,7	68	10232	820	350
240	61	rm	1,7	2,9	76	13071	910	300
300	61	rm	1,8	3,1	83	15979	1000	250

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min. (Calculated)	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	1090	21	27	0,19
2,5	7,41	890	29	37	0,32
4	4,61	740	39	47	0,50
6	3,08	630	50	60	0,73
10	1,83	510	69	79	1,20
16	1,15	410	92	102	1,91
25	0,727	420	120	133	2,96
35	0,524	360	149	158	4,13
50	0,387	340	184	189	5,87
70	0,268	320	230	235	8,19
95	0,193	270	281	281	11,09
120	0,153	270	327	327	13,98
150	0,124	280	373	362	17,46
185	0,0991	280	425	407	21,50
240	0,0754	260	499	476	27,86
300	0,0601	250	534	534	34,79

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CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

Copper conductor, Mica tape fire resistant layer, XLPE insulated and PVC flame retardant outer sheath

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DIMENSIONAL & MECHANICAL DATA — 5 CORE

Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
mm²	pcs	-	mm	mm	mm	kg/km	mm	m
1,5	7	rm	0,7	1,8	17	373	200	1000
2,5	7	rm	0,7	1,8	18	456	220	1000
4	7	rm	0,7	1,8	20	566	240	1000
6	7	rm	0,7	1,8	21	695	250	1000
10	7	rm	0,7	1,8	24	951	290	1000
16	7	rm	0,7	1,8	26	1305	310	1000
25	7	rm	0,9	1,8	31	1901	370	1000
35	7	rm	0,9	1,8	37	2658	440	1000
50	19	rm	1,0	2	41	3475	490	1000

ELECTRICAL DATA

Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min. (Calculated)	In Air	In Ground	
mm²	Ω/km	m.Ω.km	A	A	kA
1,5	12,1	1090	21	27	0,19
2,5	7,41	890	29	37	0,32
4	4,61	740	39	47	0,50
6	3,08	630	50	60	0,73
10	1,83	510	69	79	1,20
16	1,15	410	92	102	1,91
25	0,727	420	120	133	2,96
35	0,524	360	149	158	4,13
50	0,387	340	184	189	5,87

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CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

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DIMENSIONAL & MECHANICAL DATA

Control Cable 1,5 mm²

No. of Core x Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
Core x mm²	pcs	-	mm	mm	mm	kg/km	mm	m
7x1.5	7	rm	0,8	1,8	19	394	230	1000
8x1.5	7	rm	0,8	1,8	21	441	250	1000
10x1.5	7	rm	0,8	1,8	23	528	280	1000
12x1.5	7	rm	0,8	1,8	24	588	290	1000
14x1.5	7	rm	0,8	1,8	25	653	300	1000
16x1.5	7	rm	0,8	1,8	26	725	310	1000
19x1.5	7	rm	0,8	1,8	27	814	320	1000
21x1.5	7	rm	0,8	1,8	30	931	360	1000
24x1.5	7	rm	0,8	1,8	32	1002	380	1000
30x1.5	7	rm	0,8	1,8	33	1178	400	500
40x1.5	7	rm	0,8	1,9	37	1504	440	500
52x1.5	7	rm	0,8	2,0	43	1931	520	500
61x1.5	7	rm	0,8	2,1	45	2242	540	500

ELECTRICAL DATA

No. of Core x Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
Core x mm²	Ω/km	m.Ω.km	A	A	kA
7x1.5	12,1	1090	11	16	0,26
8x1.5	12,1	1090	11	16	0,26
10x1.5	12,1	1090	10	14	0,26
12x1.5	12,1	1090	10	14	0,26
14x1.5	12,1	1090	9	11	0,26
16x1.5	12,1	1090	9	11	0,26
19x1.5	12,1	1090	8	10	0,26
21x1.5	12,1	1090	8	10	0,26
24x1.5	12,1	1090	7	9	0,26
30x1.5	12,1	1090	7	9	0,26
40x1.5	12,1	1090	6	8	0,26
52x1.5	12,1	1090	6	8	0,26
61x1.5	12,1	1090	5	7	0,26

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CU/MT/XLPE/PVC (N2XY-FE) 0.6/1 (1.2) kV

IEC 60502-1 / SNI IEC 60502-1 & IEC 60331

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DIMENSIONAL & MECHANICAL DATA — Control Cable 2,5 mm²

No. of Core x Nominal Cross-Sectional Area	No of wire and Conductor Shape		Nominal Thickness		approximately		Bending Radius Min.	Standard Delivery Length
			Insulation	Outer sheath	Overall diameter	Net Weight		
Core x mm²	pcs	-	mm	mm	mm	kg/km	mm	m
7x2.5	7	rm	0,8	1,8	20	483	240	350
8x2.5	7	rm	0,8	1,8	22	544	260	300
10x2.5	7	rm	0,8	1,8	25	654	300	250
12x2.5	7	rm	0,8	1,8	26	734	310	1000
14x2.5	7	rm	0,8	1,8	27	822	320	1000
16x2.5	7	rm	0,8	1,8	28	916	340	1000
19x2.5	7	rm	0,8	1,8	30	1037	360	1000
21x2.5	7	rm	0,8	1,8	32	1178	380	1000
24x2.5	7	rm	0,8	1,8	34	1282	410	500
30x2.5	7	rm	0,8	1,9	36	1540	430	500
40x2.5	7	rm	0,8	2,0	41	2030	490	500
52x2.5	7	rm	0,8	2,1	46	2566	550	500
61x2.5	7	rm	0,8	2,2	49	2960	590	500

ELECTRICAL DATA

No. of Core x Nominal Cross-Sectional Area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec.
	DC Conductor	Insulation min.	In Air	In Ground	
Core x mm²	Ω/km	m.Ω.km	A	A	kA
7x2.5	7,41	890	18	22	0,41
8x2.5	7,41	890	18	22	0,41
10x2.5	7,41	890	15	18	0,41
12x2.5	7,41	890	15	18	0,41
14x2.5	7,41	890	14	16	0,41
16x2.5	7,41	890	14	16	0,41
19x2.5	7,41	890	12	14	0,41
21x2.5	7,41	890	12	14	0,41
24x2.5	7,41	890	11	13	0,41
30x2.5	7,41	890	11	13	0,41
40x2.5	7,41	890	9	10	0,41
52x2.5	7,41	890	9	10	0,41
61x2.5	7,41	890	8	9	0,41

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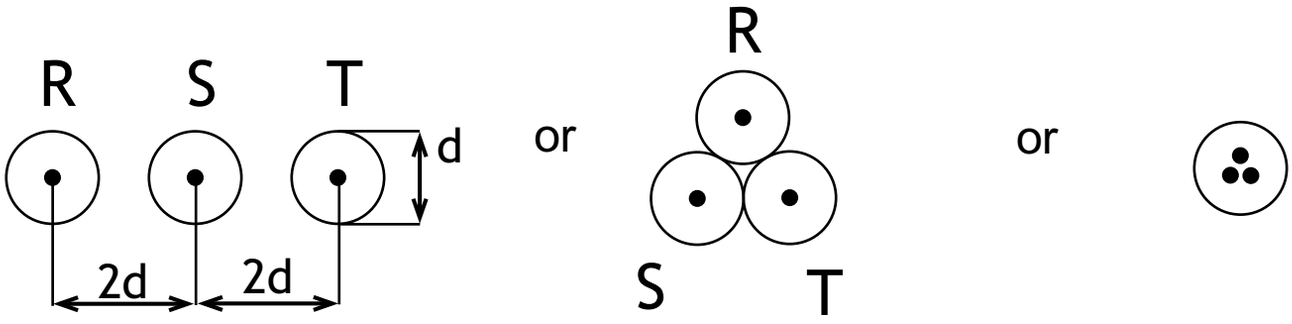
Installation Guide & Derating Factors

Conditions for current carrying capacity

The tabulated current ratings are designed by the conditions as below :

- One circuit of three phase load.



- Load factor = 1.0
- Maximum operating conductor temperature :

  70° C (PVC insulation) and 90°C (XLPE insulation)
  No other heat sources installed near the group of cables.
- Cable laying :

  in air : - Ambient temperature : 30°C

  - The cable have to protected against heat radiation of the sun as well as sufficiently large and ventilated rooms whose temperature is not perceptibly increased by the heat dissipating from the loaded cable.

  in ground :

  - Soil temperature : 30°C
  - Depth of laying : 70 cm
  - Specific thermal resistivity of soil : 100° C.m/watt

NOTE :

If the actual installed conditions are different from the above mentioned condition, the tabulated current ratings should be multiplied by the appropriate derating factors as shown in tables on the next pages.

DERATING FACTORS

A. Grouping in the ground.

1 Variation in ground temperature.

	Ground temperatures (°C)						
	20	25	30	35	40	45	50
XLPE insulation	1.08	1.04	1.00	0.96	0.91	0.87	0.82
PVC insulation	1.12	1.07	1.00	0.94	0.87	0.79	0.71

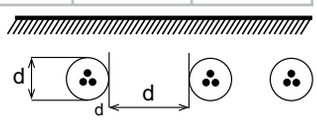
2 Variation in thermal resistivity of soil.

	Thermal resistivity of soil (°C.cm/watt)			
	70	100	150	250
XLPE insulation	1.12	1.0	0.87	0.78
PVC insulation	1.11	1.0	0.82	0.70

3 Variation in depth of laying.

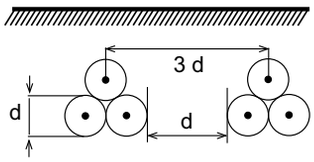
	Depth of laying (cm)					
	50	70	100	120	160	200
XLPE insulation	1.02	1.00	0.98	0.97	0.95	0.94
PVC insulation	1.01	1.00	0.99	0.98	0.97	0.96

4 **GROUPING** of **multicore** cables.



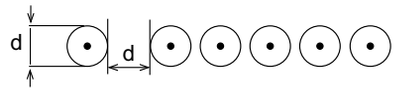
	Number 0f grouping							
	1	2	3	4	5	6	8	10
XLPE insulation	1.00	0.86	0.76	0.71	0.67	0.64	0.60	0.57
PVC insulation	1.00	0.85	0.75	0.68	0.64	0.60	0.56	0.53

5 **GROUPING** of **single core** cables (**Trefoil** formation)



	Number 0f grouping							
	1	2	3	4	5	6	8	10
XLPE insulation	1.00	0.89	0.82	0.78	0.75	0.73	0.70	0.68
PVC insulation	1.00	0.90	0.82	0.79	0.76	0.74	0.71	0.69

6 **GROUPING** of **single core** cables (**Flat** formation)



	Number 0f grouping							
	1	2	3	4	5	6	8	10
XLPE insulation	1.00	0.87	0.77	0.73	0.70	0.68	0.65	0.63
PVC insulation	1.00	0.87	0.78	0.74	0.70	0.68	0.65	0.63

B. Grouping in air.

1 Variation in air temperature.

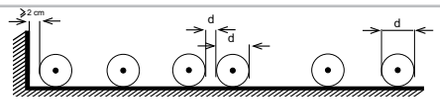
	Air temperatures (°C)							
	20	25	30	35	40	45	50	55
XLPE insulation	1.08	1.04	1.00	0.96	0.91	0.87	0.82	0.76
PVC insulation	1.12	1.07	1.00	0.93	0.87	0.79	0.71	0.61

2 Single core cables in three phase system.

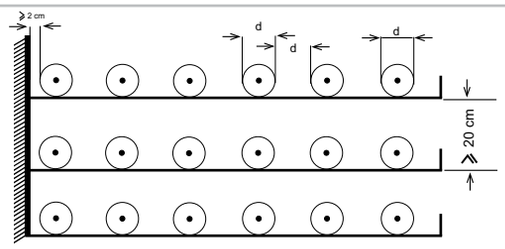
2.1 Flat formation.

Minimum distance from the wall is 2.0 cm. Clearance between systems = Cable diameter (d)	Number of system		
	1	2	3

2.1.1 Laid on the ground in flat formation.

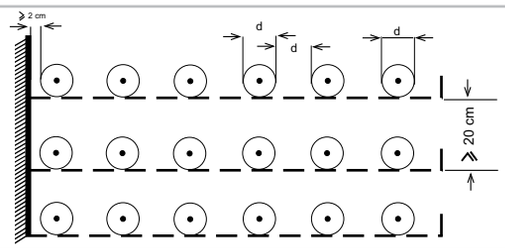
	Derating factor		
	0.92	0.89	0.88

2.1.2 Laid on troughs (air circulation is restricted)



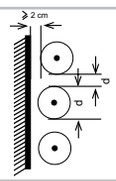
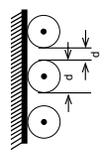
Number of troughs	Derating factor		
1	0.92	0.89	0.88
2	0.87	0.84	0.83
3	0.84	0.82	0.81
6	0.82	0.80	0.79

2.1.3 Laid on the racks in flat formation.



Number of racks	Derating factor		
1	1.00	0.97	0.96
2	0.97	0.94	0.93
3	0.96	0.93	0.92
6	0.94	0.91	0.90

2.1.4 Arranged on structures or on the wall.

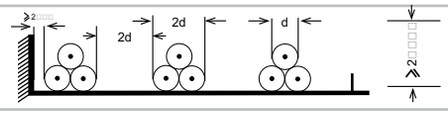
		Derating factor		
		0.94	0.91	0.89
	Touching the wall.	0.89	0.86	0.84

B. Grouping in air (continued)

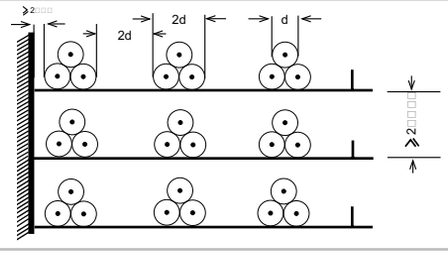
2.2 Trefoil formation.

Minimum distance from the wall is 2.0 cm. Clearance between systems = 2 x Cable diameter (2 d)	Number of system		
	1	2	3

2.2.1 Laid on the ground in trefoil formation.

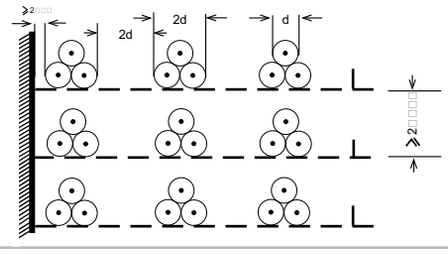
	Derating factor		
	0.95	0.90	0.88

2.2.2 Laid on troughs (air circulation is restricted)



Number of troughs	Derating factor		
1	0.95	0.90	0.88
2	0.90	8.85	0.83
3	0.88	0.83	0.81
6	0.86	0.81	0.79

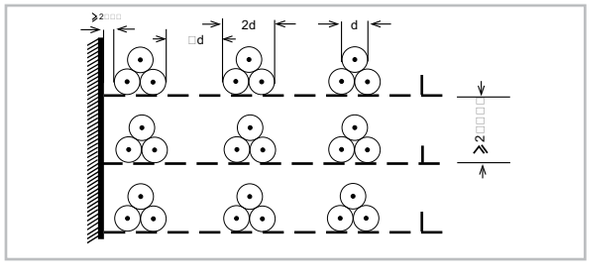
2.2.3 Laid on the racks in trefoil formation.



Number of racks	Derating factor		
1	1.00	0.98	0.96
2	1.00	0.95	0.93
3	1.00	0.94	0.92
6	1.00	0.93	0.90

2.2.4 Arrangement for which a reduction of the current rating is not necessary (for any number of systems)

- Minimum distance from the wall is 2.0 cm.
- Clearance between cables = 4 x cable diameter (4d).



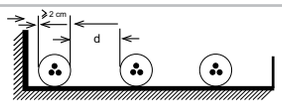
B. Grouping in air (continued).

3 Multicore cables in three phase system and single core cables in DC system.

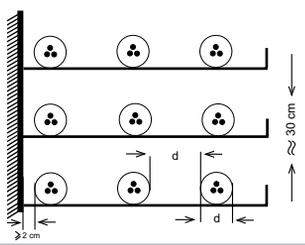
3.1 Minimum distance from the wall is 2.0 cm.
Clearance between cables = Cable diameter (d)

Number of system				
1	2	3	6	9

3.1.1 Laid on the ground in flat formation.

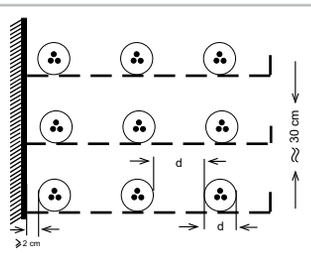
	Derating factor				
	0.95	0.90	0.88	0.85	0.84

3.1.2 Laid on troughs (air circulation is restricted)



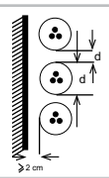
Number of troughs	Derating factor				
1	0.95	0.90	0.88	0.85	0.84
2	0.90	0.85	0.83	0.81	0.80
3	0.88	0.83	0.81	0.79	0.78
6	0.86	0.81	0.79	0.77	0.76

3.1.3 Laid on the racks in flat formation.



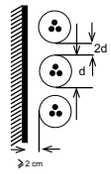
Number of troughs	Derating factor				
1	1.00	0.98	0.96	0.93	0.92
2	1.00	0.95	0.93	0.90	0.89
3	1.00	0.94	0.92	0.89	0.88
6	1.00	0.93	0.90	0.87	0.86

3.1.4 Arranged on structures or on the wall.

	Derating factor				
	1.00	0.93	0.90	0.87	0.86

3.1.5 Arrangement for which a reduction of the current rating is not necessary (for any number of cables)

- Minimum distance from the wall is 2.0 cm.
- Clearance between cables = 2 x cable diameter (2d).

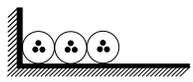


B. Grouping in air (continued).

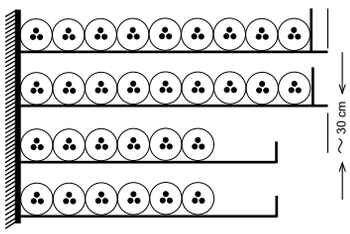
3.2 Cables touching throughout and in contact with the wall.

	Number of system				
	1	2	3	6	9

3.2.1 Laid on the ground in flat formation.

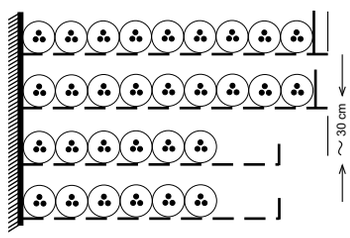
	Derating factor				
	0.90	0.84	0.80	0.75	0.73

3.2.2 Laid on troughs (air circulation is restricted)



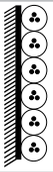
Number of troughs	Derating factor				
1	0.95	0.84	0.80	0.75	0.73
2	0.95	0.80	0.76	0.71	0.69
3	0.95	0.78	0.74	0.70	0.68
6	0.95	0.76	0.72	0.68	0.66

3.2.3 Laid on the racks in flat formation.



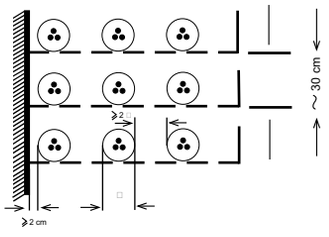
Number of troughs	Derating factor				
1	0.95	0.84	0.80	0.75	0.73
2	0.95	0.80	0.76	0.71	0.69
3	0.95	0.78	0.74	0.70	0.68
6	0.95	0.76	0.72	0.68	0.66

3.2.4 Arranged on structures or on the wall.

	Derating factor				
	0.95	0.78	0.73	0.68	0.66

3.2.5 Arrangement for which a reduction of the current rating is not necessary (for any number of cables)

- Minimum distance from the wall is 2.0 cm.
- Clearance between cables = 2 x cable diameter (2d).



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