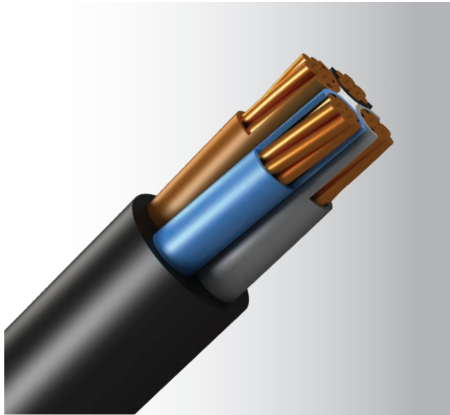


PVC Insulated Cables

0.6/1kV 2-Core ~ 4-Core
 PVC Insulated, PVC Sheathed Cable
 Description: CU/PVC/PVC
 Model Code: PP



Application :	This cable is primarily used for main power supply. It can be installed on cable trays, cable ladders, in cable ducts, and cable trunking.
Voltage rating :	0.6/1kV
Construction :	Plain annealed copper (IEC 60228 Class 2), PVC insulated, PVC sheathed cable
Insulation colour :	2-Core: Brown, Blue; 3-Core: Brown, Black, Grey; Brown, Blue, Green/Yellow; 4-Core: Brown, Black, Grey, Blue; Brown, Black, Grey, Green/Yellow; (Other colour upon request)
Sheath colour :	Black
Specification :	IEC 60502-1, IEC 60332-1-2
Operating temperature :	70°C

2-CORE [2C]

(Brown, Blue) (1-phase and neutral)

Conductor	Insulation	Part No.	Approx. Overall Diam.	Approx. Weight
Nominal Area	Thickness		(mm)	(kg/km)
(mm ²)	(mm)			
1.5	0.8	07023004	11.2	150
2.5	0.8	08023004	11.6	180
4	1.0	09023004	13.7	260
6	1.0	10023004	15.2	290
10	1.0	11023004	16.8	385
16	1.0	12023004	18.8	528
25 (cs)	1.2	13023004	22.0	761
35 (cs)	1.2	14023004	24.4	983
50 (cs)	1.4	15023004	27.7	1288
70 (cs)	1.4	16023004	31.6	1772
95 (cs)	1.6	17023004	36.2	2397
120 (cs)	1.6	18023004	38.8	2934
150 (cs)	1.8	19023004	42.7	3562
185 (cs)	2.0	20023004	47.6	4445
240 (cs)	2.2	21023004	54.0	5751
300 (cs)	2.4	22023004	60.2	7166
400 (cs)	2.6	23023004	67.6	9082

Current rating and voltage drop
 Please refer to Table 6 & 7 (Page 56)

(cs) : Circular Compact Stranded Conductor

PVC Insulated Cables

0.6/1kV 2-Core ~ 4-Core
PVC Insulated, PVC Sheathed Cable
Description: CU/PVC/PVC
Model Code: PP

3-CORE [3C]

(Brown, Black, Grey) (3-phase, three wire)

Conductor	Insulation	Part No.	Approx.	Approx.
Nominal Area	Thickness		Overall Diam.	Weight
(mm ²)	(mm)		(mm)	(kg/km)
1.5	0.8	07033005	11.3	165
2.5	0.8	08033005	12.3	200
4	1.0	09033005	14.2	300
6	1.0	10033005	15.8	380
10	1.0	11033005	17.7	545
16	1.0	12033005	20.0	760
25 (cs)	1.2	13033005	23.1	1046
35 (cs)	1.2	14033005	26.0	1365
50 (cs)	1.4	15033005	30.1	1822
70 (cs)	1.4	16033005	33.7	2494
95 (cs)	1.6	17033005	38.9	3412
120 (cs)	1.6	18033005	41.7	4190
150 (cs)	1.8	19033005	45.9	5096
185 (cs)	2.0	20033005	51.2	6364
240 (cs)	2.2	21033005	58.2	8282
300 (cs)	2.4	22033005	64.6	10295
400 (cs)	2.6	23033005	72.8	13098

3-CORE [3G]

(Brown, Blue, Green/Yellow) (1-phase and earth)

Conductor	Insulation	Part No.	Approx.	Approx.
Nominal Area	Thickness		Overall Diam.	Weight
(mm ²)	(mm)		(mm)	(kg/km)
1.5	0.8	07033011	11.3	165
2.5	0.8	08033011	12.3	200
4	1.0	09033011	14.2	300
6	1.0	10033011	15.8	380
10	1.0	11033011	17.7	545
16	1.0	12033011	20.0	760
25 (cs)	1.2	13033011	24.7	1370
35 (cs)	1.2	14033011	26.0	1365
50 (cs)	1.4	15033011	30.1	1822
70 (cs)	1.4	16033011	33.7	2494
95 (cs)	1.6	17033011	38.9	3412
120 (cs)	1.6	18033011	41.7	4190
150 (cs)	1.8	19033011	45.9	5096
185 (cs)	2.0	20033011	51.2	6364
240 (cs)	2.2	21033011	58.2	8282
300 (cs)	2.4	22033011	64.6	10295
400 (cs)	2.6	23033011	72.8	13098

Current rating and voltage drop
Please refer to Table 6 & 7 (Page 56)

(cs) : Circular Compact Stranded Conductor

PVC Insulated Cables

0.6/1kV 2-Core ~ 4-Core

PVC Insulated, PVC Sheathed Cable

Description: CU/PVC/PVC

Model Code: PP

4-CORE [4C]

(Brown, Black, Grey, Blue) (3-phase and neutral)

Conductor	Insulation	Part No.	Approx.	Approx.
Nominal Area	Thickness		Overall Diam.	Weight
(mm ²)	(mm)		(mm)	(kg/km)
1.5	0.8	07043006	12.3	210
2.5	0.8	08043006	13.2	265
4	1.0	09043006	15.2	385
6	1.0	10043006	16.9	440
10	1.0	11043006	19.3	675
16	1.0	12043006	21.9	925
25 (s)	1.2	13043007	24.7	1370
35 (s)	1.2	14043007	26.5	1740
50 (s)	1.4	15043007	30.0	2300
70 (s)	1.4	16043007	34.0	3180
95 (s)	1.6	17043007	38.3	4370
120 (s)	1.6	18043007	41.8	5400
150 (s)	1.8	19043007	47.5	6550
185 (s)	2.0	20043007	52.0	8180
240 (s)	2.2	21043007	58.0	10700
300 (s)	2.4	22043007	66.0	13200
400 (s)	2.6	23043007	73.5	17100

4-CORE [4G]

(Brown, Black, Grey, Green/Yellow) (3-phase and earth)

Conductor	Insulation	Part No.	Approx.	Approx.
Nominal Area	Thickness		Overall Diam.	Weight
(mm ²)	(mm)		(mm)	(kg/km)
1.5	0.8	07043012	12.3	210
2.5	0.8	08043012	13.2	265
4	1.0	09043012	15.2	385
6	1.0	10043012	16.9	440
10	1.0	11043012	19.3	675
16	1.0	12043012	21.9	925
25 (cs)	1.2	13043012	25.5	1410
35 (cs)	1.2	14043012	29.2	1800
50 (cs)	1.4	15043012	33.0	2390
70 (cs)	1.4	16043012	37.5	3290
95 (cs)	1.6	17043012	43.7	4485
120 (cs)	1.6	18043012	46.0	5350
150 (cs)	1.8	19043012	51.7	6750
185 (cs)	2.0	20043012	57.5	8300
240 (cs)	2.2	21043012	65.4	10610
300 (cs)	2.4	22043012	72.7	13160
400 (cs)	2.6	23043012	82.0	17100

Current rating and voltage drop
Please refer to Table 6 & 7 (Page 56)

(cs) : Circular Compact Stranded Conductor
(s) : Sector Shaped Stranded Conductor

Current Rating and Voltage Drop

PVC Insulated Cables
Multi-Core, Unarmoured



tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

Multi-Core Cables with PVC Insulation, Unarmoured, PVC Outsheath 0.6/1kV

Table 6 : Current-Carrying Capacities (Amp)
[CU/PVC/PVC Cables]

Conductor Operating Temperature : 70°C
Ambient Temperature : 30°C

IEC 60502-1 (BS 6346)

Conductor Cross-sectional Area	Reference Method 4 (enclosed in an insulated wall etc)		Reference Method 3 (enclosed in conduit on a wall or ceiling, or in trunking)		Reference Method 1 (clipped direct)		Reference Method 11 (on perforated cable tray), or Reference Method 13 (in free air)	
	one 2-core cable*, 1-phase a.c. or d.c.	one 3-core* or 4-core cable, 3-phase a.c.	one 2-core cable*, 1-phase a.c. or d.c.	one 3-core* or 4-core cable, 3-phase a.c.	one 2-core cable*, 1-phase a.c. or d.c.	one 3-core* or 4-core cable, 3-phase a.c.	one 2-core cable*, 1-phase a.c. or d.c.	one 3-core* or 4-core cable, 3-phase a.c.
1	2	3	4	5	6	7	8	9
mm ²	A	A	A	A	A	A	A	A
1	11	10	13	11.5	15	13.5	17	14.5
1.5	14	13	16.5	15	19.5	17.5	22	18.5
2.5	18.5	17.5	23	20	27	24	30	25
4	25	23	30	27	36	32	40	34
6	32	29	38	34	46	41	51	43
10	43	39	52	46	63	57	70	60
16	57	52	69	62	85	76	94	80
25	75	68	90	80	112	96	119	101
35	92	83	111	99	138	119	148	126
50	110	99	133	118	168	144	180	153
70	139	125	168	149	213	184	232	196
95	167	150	201	179	258	223	282	238
120	192	172	232	206	299	259	328	276
150	219	196	258	225	344	299	379	319
185	248	223	294	255	392	341	434	364
240	291	261	344	297	461	403	514	430
300	334	298	394	339	530	464	593	497
400	-	-	470	402	634	557	715	597

*With or without protective conductor

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Table 7 : Voltage Drop (Per Amp Per Meter)
[CU/PVC/PVC Cables]

Conductor Operating Temperature : 70°C

IEC 60502-1 (BS 6346)

Conductor Cross-sectional Area	2-core cable, d.c.	2-core cable, 1-phase a.c.			3-core or 4-core cable, 3-phase a.c.		
	2	3			4		
1	mV/A/m	mV/A/m			mV/A/m		
mm ²							
1	44	44			38		
1.5	29	29			25		
2.5	18	18			15		
4	11	11			9.5		
6	7.3	7.3			6.4		
10	4.4	4.4			3.8		
16	2.8	2.8			2.4		
		r	x	z	r	x	z
25	1.75	1.75	0.170	1.75	1.50	0.145	1.50
35	1.25	1.25	0.165	1.25	1.10	0.145	1.10
50	0.93	0.93	0.165	0.94	0.80	0.140	0.81
70	0.63	0.63	0.160	0.65	0.55	0.140	0.57
95	0.46	0.47	0.155	0.50	0.41	0.135	0.43
120	0.36	0.38	0.155	0.41	0.33	0.135	0.35
150	0.29	0.30	0.155	0.34	0.26	0.130	0.29
185	0.23	0.25	0.150	0.29	0.21	0.130	0.25
240	0.180	0.190	0.150	0.24	0.165	0.130	0.21
300	0.145	0.155	0.145	0.21	0.135	0.130	0.185
400	0.105	0.115	0.145	0.185	0.100	0.125	0.160

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

PVC Insulated Cables
Multi-Core, Armoured



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www.keystone-cable.com

Multi-Core Cables with PVC Insulation, Armoured, PVC Outersheath 0.6/1kV

Table 8 : Current-Carrying Capacities (Amp)
[CU/PVC/PVC/SWA/PVC Cables]

Conductor Operating Temperature : 70°C
Ambient Temperature : 30°C
Ground Temperature : 15°C

Depth of Laying : 0.5m

IEC 60502-1 (BS 6346)
Soil Thermal Resistivity : 1.2 k•m/W

Conductor Cross-sectional Area	Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated horizontal cable tray) or Reference Method 13 (in free air)		Direct in ground		In single way ducts	
	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.
1	2	3	4	5	6	7	8	9
mm ²	A	A	A	A	A	A	A	A
1.5	21	18	22	19	32	27	26	22
2.5	28	25	31	26	41	35	34	29
4	38	33	41	35	55	47	45	38
6	49	42	53	45	69	59	57	48
10	67	58	72	62	92	78	76	64
16	89	77	97	83	119	101	98	83
25	118	102	128	110	158	132	129	107
35	145	125	157	135	190	159	154	126
50	175	151	190	163	225	188	183	153
70	222	192	241	207	277	233	225	190
95	269	231	291	251	332	279	271	228
120	310	267	336	290	377	317	309	260
150	356	306	386	332	422	355	346	292
185	405	348	439	378	478	401	393	331
240	476	409	516	445	551	462	455	382
300	547	469	592	510	616	517	510	428
400	621	540	683	590	693	580	574	490

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)
For rating factors of ground temperature other than 15°C, please refer to Table 26 (Page 66)

Table 9 : Voltage Drop (Per Amp Per Meter)
[CU/PVC/PVC/SWA/PVC Cables]

Conductor Operating Temperature : 70°C

IEC 60502-1 (BS 6346)

Conductor Cross-sectional Area	2-core cable, d.c.	2-core cable, 1-phase a.c.	3-core or 4-core cable, 3-phase a.c.	Direct in ground		In single way ducts	
				2-core cable, 1-phase a.c.	3-core or 4-core cable, 3-phase a.c.	2-core cable, 1-phase a.c.	3-core or 4-core cable, 3-phase a.c.
1	2	3	4	5	6	7	8
mm ²	mV/A/m	mV/A/m	mV/A/m	mV/A/m	mV/A/m	mV/A/m	mV/A/m
1.5	29	29	25	29	25	29	25
2.5	18	18	15	18	15	18	15
4	11	11	9.5	11	9.5	11	9.5
6	7.3	7.3	6.4	7.4	6.4	7.4	6.4
10	4.4	4.4	3.8	4.4	3.8	4.4	3.8
16	2.8	2.8	2.4	2.8	2.4	2.8	2.4
	r	x	z	r	x	z	
25	1.75	1.75	1.5	1.7	1.5	1.7	1.5
35	1.25	1.25	1.1	1.3	1.1	1.3	1.1
50	0.93	0.93	0.8	0.94	0.81	0.94	0.82
70	0.63	0.63	0.55	0.66	0.57	0.66	0.57
95	0.46	0.47	0.41	0.49	0.43	0.49	0.42
120	0.36	0.38	0.33	0.4	0.35	0.4	0.35
150	0.29	0.30	0.26	0.34	0.29	0.34	0.29
185	0.23	0.25	0.21	0.29	0.25	0.29	0.25
240	0.18	0.19	0.165	0.24	0.21	0.24	0.21
300	0.145	0.155	0.135	0.21	0.185	0.21	0.18
400	0.105	0.115	0.1	0.19	0.16	0.19	0.17

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

XLPE (or LSZH) Insulated Cables
Single-Core, Unarmoured



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www.keystone-cable.com

Single-Core Cables with XLPE (or LSZH) Insulation, with or without PVC (or LSZH) Outersheath 450/750V or 0.6/1kV

Table 10 : Current-Carrying Capacities (Amp)
[CU/LSZH, CU/XLPE/PVC, CU/XLPE/LSZH, CU/MT/LSZH or CU/MT/XLPE/LSZH Cables]

Conductor Operating Temperature : 90°C
Ambient Temperature : 30°C

BS EN 50525-3-41 (BS 7211)
BS 8592
IEC 60502-1

Conductor Cross-sectional Area	Reference Method 4 (enclosed in conduit in thermally insulating wall etc)		Reference Method 3 (enclosed in conduit on a wall or in trunking etc)		Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated cable tray, horizontal or vertical)		Reference Method 12 (in free air)		
	2 cables, 1-phase a.c. or d.c.	3 or 4 cables, 3-phase a.c.	2 cables, 1-phase a.c. or d.c.	3 or 4 cables, 3-phase a.c.	2 cables, 1-phase a.c. or d.c. flat and touching	3 or 4 cables, 3-phase a.c. flat and touching or trefoil	2 cables, 1-phase a.c. or d.c. flat and touching	3 or 4 cables, 3-phase a.c. flat and touching or trefoil	Horizontal flat spaced	Vertical flat spaced	Trefoil
									2 cables, 1-phase a.c. or d.c. or 3 cables 3-phase a.c.	2 cables, 1-phase a.c. or d.c. or 3 cables 3-phase a.c.	3 cables trefoil, 3-phase a.c.
1 mm ²	A	A	A	A	A	A	A	A	A	A	A
1.5	18	17	22	19	25	23	-	-	-	-	-
2.5	24	23	30	26	34	31	-	-	-	-	-
4	33	30	40	35	46	41	-	-	-	-	-
6	43	39	51	45	59	54	-	-	-	-	-
10	58	53	71	63	81	74	-	-	-	-	-
16	76	70	95	85	109	99	-	-	-	-	-
25	100	91	126	111	143	130	158	140	183	163	138
35	124	111	156	138	176	161	195	176	226	203	171
50	149	135	189	168	228	209	239	215	274	246	209
70	189	170	240	214	293	268	308	279	351	318	270
95	228	205	290	259	355	326	375	341	426	389	330
120	263	235	336	299	413	379	436	398	495	453	385
150	300	270	375	328	476	436	505	461	570	524	445
185	341	306	426	370	545	500	579	530	651	600	511
240	400	358	500	433	644	590	686	630	769	711	606
300	459	410	573	493	743	681	794	730	886	824	701
400	-	-	683	584	868	793	915	849	1065	994	820
500	-	-	783	666	990	904	1044	973	1228	1150	936
630	-	-	900	764	1130	1033	1191	1115	1423	1338	1069
800	-	-	-	-	1288	1179	1358	1275	1581	1485	1214
1000	-	-	-	-	1443	1323	1520	1436	1775	1671	1349

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Table 11 : Voltage Drop (Per Amp Per Meter)
[CU/LSZH, CU/XLPE/PVC, CU/XLPE/LSZH, CU/MT/LSZH or CU/MT/XLPE/LSZH Cables]

Conductor Operating Temperature : 90°C

BS EN 50525-3-41 (BS 7211)
BS 8592
IEC 60502-1

Conductor Cross-sectional Area	2 cables, d.c.	2 cables, 1-phase a.c.						3 or 4 cables, 3-phase a.c.								
		Reference Methods 3 and 4 (enclosed in conduit etc, in or on a wall)		Reference Methods 1 and 11 (clipped direct or on trays touching)		Reference Methods 3 and 4 (enclosed in conduit etc, in or on a wall)		Reference Methods 1, 11 and 12 (trefoil)				Reference Methods 1 and 11 (flat and touching)				
		3		4		5		6				7				
1 mm ²	2 mV/A/m	mV/A/m		mV/A/m		mV/A/m		mV/A/m				mV/A/m				
1.5	31	31		27		27		27				27				
2.5	19	19		16		16		16				16				
4	12	12		10		10		10				10				
6	7.9	7.9		6.8		6.8		6.8				6.8				
10	4.7	4.7		4.7		4.0		4				4				
16	2.9	2.9		2.9		2.5		2.5				2.5				
		r	x	r	z	r	x	r	x	r	x	r	x	r	x	
25	1.85	1.85	0.31	1.90	1.85	0.190	1.85	1.60	0.27	1.65	1.60	0.165	1.60	1.60	0.190	1.60
35	1.35	1.35	0.29	1.35	1.35	0.180	1.35	1.15	0.25	1.15	1.15	0.155	1.15	1.15	0.180	1.15
50	0.99	1.00	0.29	1.05	0.99	0.180	1.00	0.87	0.25	0.90	0.86	0.155	0.87	0.86	0.180	0.87
70	0.68	0.70	0.28	0.75	0.68	0.175	0.71	0.60	0.24	0.65	0.59	0.150	0.61	0.59	0.175	0.62
95	0.49	0.51	0.27	0.58	0.49	0.170	0.52	0.44	0.23	0.50	0.43	0.145	0.45	0.43	0.170	0.46
120	0.39	0.41	0.26	0.48	0.39	0.165	0.43	0.35	0.23	0.42	0.34	0.140	0.37	0.34	0.165	0.38
150	0.32	0.33	0.26	0.43	0.32	0.165	0.36	0.29	0.23	0.37	0.28	0.140	0.31	0.28	0.165	0.32
185	0.25	0.27	0.26	0.37	0.26	0.165	0.30	0.23	0.23	0.32	0.22	0.140	0.26	0.22	0.165	0.28
240	0.190	0.21	0.26	0.33	0.20	0.160	0.25	0.185	0.22	0.29	0.170	0.140	0.22	0.170	0.165	0.24
300	0.155	0.175	0.25	0.31	0.160	0.160	0.22	0.150	0.22	0.27	0.140	0.140	0.195	0.135	0.160	0.21
400	0.12	0.140	0.25	0.29	0.130	0.155	0.20	0.125	0.22	0.25	0.110	0.135	0.175	0.110	0.160	0.195
500	0.093	0.120	0.25	0.28	0.105	0.155	0.185	0.100	0.22	0.24	0.090	0.135	0.160	0.088	0.160	0.180
630	0.072	0.100	0.25	0.27	0.086	0.155	0.175	0.088	0.21	0.23	0.074	0.135	0.150	0.071	0.160	0.170
800	0.056	-	-	-	0.072	0.150	0.170	-	-	-	0.062	0.130	0.145	0.059	0.155	0.165
1000	0.045	-	-	-	0.063	0.150	0.165	-	-	-	0.055	0.130	0.140	0.050	0.155	0.165

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

XLPE (or LSZH) Insulated Cables
Single-Core, Armoured



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www.keystone-cable.com

Single-Core Cables with XLPE or LSZH Insulation, Armoured, PVC or LSZH Outersheath 0.6/1kV

Table 12 : Current-Carrying Capacities (Amp)
[CU/XLPE/PVC/AWA/PVC, CU/XLPE/LSZH/AWA/LSZH, CU/MT/XLPE/LSZH/AWA/LSZH Cables]

Conductor Operating Temperature : 90°C
Ambient Temperature : 30°C
Ground Temperature : 15°C

Depth of Laying : 0.5m

BS 6724
IEC 60502-1
Soil Thermal Resistivity : 1.2 k•m/W

Conductor Cross-sectional Area	Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated cable tray)		Reference Method 12 (in free air)	In single-way ducts		Laid direct in ground	
	2 cables, 1-phase a.c. or d.c. flat and touching	3 or 4 cables, 3-phase a.c. flat and touching	2 cables, 1-phase a.c. or d.c. flat and touching	3 or 4 cables, 3-phase a.c. flat and touching	3 cables, 3-phase a.c. trefoil touching	2 cables, 1-phase a.c. or d.c. ducts touching	3 cables, 3-phase a.c. trefoil touching	2 cables, 1-phase a.c. or d.c. touching	3 cables, 3-phase a.c. trefoil touching
1	2	3	4	5	6	7	8	9	10
mm ²	A	A	A	A	A	A	A	A	A
50	237	220	253	232	222	255	235	275	235
70	303	277	322	293	285	310	280	340	290
95	367	333	389	352	346	365	330	405	345
120	425	383	449	405	402	410	370	460	389
150	488	437	516	462	463	445	405	510	435
185	557	496	587	524	529	485	440	580	490
240	656	579	689	612	625	550	500	670	560
300	755	662	792	700	720	610	550	750	630
400	853	717	899	767	815	640	580	830	700
500	962	791	1016	851	918	690	620	910	770
630	1082	861	1146	935	1027	750	670	1000	840
800	1170	904	1246	987	1119	828	735	1117	931
1000	1261	961	1345	1055	1214	919	811	1254	1038

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)
For rating factors of ground temperature other than 15°C, please refer to Table 26 (Page 66)

Table 13 : Voltage Drop (Per Amp Per Meter)
[CU/XLPE/PVC/AWA/PVC, CU/XLPE/LSZH/AWA/LSZH, CU/MT/XLPE/LSZH/AWA/LSZH Cables]

Conductor Operating Temperature : 90°C

BS 6724
IEC 60502-1

Conductor Cross-sectional Area	2 cables, d.c.	2 cables, 1-phase a.c.				3 or 4 cables, 3-phase a.c.						2 cables, 1-phase a.c.		3 or 4 cables, 3-phase a.c. touching	
		Reference Method 1 & 11 (touching)				Reference Method 1, 11 & 12 (trefoil touching)			Reference Method 1 & 11 (flat touching)			In ducts	In ground	In ducts	In ground
		mV/A/m				mV/A/m			mV/A/m			mV/A/m	mV/A/m	mV/A/m	mV/A/m
1	2	3				4			5			6	7	8	9
mm ²	mV/A/m	r	x	z	r	x	z	r	x	z	mV/A/m	mV/A/m	mV/A/m	mV/A/m	
50	0.98	0.99	0.21	1.00	0.86	0.180	0.87	0.84	0.25	0.88	1.10	0.99	0.93	0.86	
70	0.67	0.68	0.200	0.71	0.59	0.170	0.62	0.60	0.25	0.65	0.80	0.70	0.70	0.61	
95	0.49	0.51	0.195	0.55	0.44	0.170	0.47	0.46	0.24	0.52	0.65	0.53	0.56	0.46	
120	0.39	0.41	0.190	0.45	0.35	0.165	0.39	0.38	0.24	0.44	0.55	0.43	0.48	0.37	
150	0.31	0.33	0.185	0.38	0.29	0.160	0.33	0.31	0.23	0.39	0.50	0.37	0.43	0.32	
185	0.25	0.27	0.185	0.33	0.23	0.160	0.28	0.26	0.23	0.34	0.45	0.31	0.39	0.27	
240	0.195	0.21	0.180	0.28	0.180	0.155	0.24	0.21	0.22	0.30	0.40	0.26	0.35	0.23	
300	0.155	0.170	0.175	0.25	0.145	0.150	0.21	0.170	0.22	0.28	0.37	0.24	0.32	0.21	
400	0.115	0.145	0.170	0.22	0.125	0.150	0.195	0.160	0.21	0.27	0.35	0.21	0.30	0.19	
500	0.093	0.125	0.170	0.21	0.105	0.145	0.180	0.145	0.20	0.25	0.33	0.20	0.28	0.18	
630	0.073	0.105	0.165	0.195	0.092	0.145	0.170	0.135	0.195	0.24	0.30	0.19	0.26	0.17	
800	0.056	0.090	0.160	0.190	0.086	0.140	0.165	0.130	0.180	0.23	0.28	0.18	0.24	0.16	
1000	0.045	0.092	0.155	0.180	0.080	0.135	0.155	0.125	0.170	0.21	0.26	0.17	0.22	0.15	

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

XLPE (or LSZH) Insulated Cables
Multi-Core, Unarmoured



tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

Multi-Core Cables with XLPE (or LSZH) Insulation, PVC (or LSZH) Outersheath 300/500V or 0.6/1kV

Table 14 : Current-Carrying Capacities (Amp)
[CU/XLPE/PVC, CU/XLPE/LSZH or CU/MT/XLPE/LSZH Cables]

Conductor Operating Temperature : 90°C
Ambient Temperature : 30°C

IEC 60502-1

Conductor Cross-sectional Area	Reference Method 4 (enclosed in an conduit insulated wall etc)	Reference Method 3 (enclosed in conduit on a wall or ceiling, or in trunking)		Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated cable tray), or Reference Method 13 (in free air)	
	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.
1	2	3	4	5	6	7	8
mm ²	A	A	A	A	A	A	A
1.5	16.5	22	19.5	24	22	26	23
2.5	22	30	26	33	30	36	32
4	30	40	35	45	40	49	42
6	38	51	44	58	52	63	54
10	51	69	60	80	71	86	75
16	68	91	80	107	96	115	100
25	89	119	105	138	119	149	127
35	109	146	128	171	147	185	158
50	130	175	154	209	179	225	192
70	164	221	194	269	229	289	246
95	197	265	233	328	278	352	298
120	227	305	268	382	322	410	346
150	259	334	300	441	371	473	399
185	295	384	340	506	424	542	456
240	346	459	398	599	500	641	538
300	396	532	455	693	576	741	621
400	472	625	536	803	667	865	741

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Table 15 : Voltage Drop (Per Amp Per Meter)
[CU/XLPE/PVC, CU/XLPE/LSZH or CU/MT/XLPE/LSZH Cables]

Conductor Operating Temperature : 90°C

IEC 60502-1

Conductor Cross-sectional Area	2-core cable, d.c.	2-core cable, 1-phase a.c.			3-core or 4-core cables, 3-phase a.c.		
	2	3			4		
1	2	3			4		
mm ²	mV/A/m	mV/A/m			mV/A/m		
1.5	31	31			27		
2.5	19	19			16		
4	12	12			10		
6	7.9	7.9			6.8		
10	4.7	4.7			4.0		
16	2.9	2.9			2.5		
		r	x	z	r	x	z
25	1.85	1.85	0.160	1.90	1.60	0.140	1.65
35	1.35	1.35	0.155	1.35	1.15	0.135	1.15
50	0.98	0.99	0.155	1.00	0.86	0.135	0.87
70	0.67	0.67	0.150	0.69	0.59	0.130	0.60
95	0.49	0.50	0.150	0.52	0.43	0.130	0.45
120	0.39	0.40	0.145	0.42	0.34	0.130	0.37
150	0.31	0.32	0.145	0.35	0.28	0.125	0.30
185	0.25	0.26	0.145	0.29	0.22	0.125	0.26
240	0.195	0.200	0.140	0.24	0.175	0.125	0.21
300	0.155	0.160	0.140	0.21	0.140	0.120	0.185
400	0.120	0.130	0.140	0.190	0.115	0.120	0.165

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

XLPE (or LSZH) Insulated Cables
Multi-Core, Armoured



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www.keystone-cable.com

Multi-Core Cables with XLPE (or LSZH) Insulation, Armoured, PVC or LSZH Outersheath 0.6/1kV

Table 16 : Current-Carrying Capacities (Amp)
[CU/XLPE/PVC/SWA/PVC, CU/XLPE/LSZH/SWA/LSZH, CU/MT/XLPE/LSZH/SWA/LSZH Cables]

Conductor Operating Temperature : 90°C
Ambient Temperature : 30°C
Ground Temperature : 15°C

Depth of Laying : 0.5m

BS 6724
IEC 60502-1
Soil Thermal Resistivity : 1.2 k•m/W

Conductor Cross-sectional Area	Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated horizontal cable tray) or Reference Method 13 (in free air)		In single-way ducts		Laid direct in ground	
	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.
1	2	3	4	5	6	7	8	9
mm ²	A	A	A	A	A	A	A	A
1.5	27	23	29	25	-	23	-	28
2.5	36	31	39	33	-	30	-	36
4	49	42	52	44	-	40	-	48
6	62	53	66	56	-	50	-	60
10	85	73	90	78	-	65	-	80
16	110	94	115	99	115	94	140	115
25	146	124	152	131	145	125	180	150
35	180	154	188	162	175	150	215	180
50	219	187	228	197	210	175	255	215
70	279	238	291	251	260	215	315	265
95	338	289	354	304	310	260	380	315
120	392	335	410	353	355	300	430	360
150	451	386	472	406	400	335	480	405
185	515	441	539	463	455	380	540	460
240	607	520	636	546	520	440	630	530
300	698	599	732	628	590	495	700	590
400	787	673	847	728	660	560	790	670

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)
For rating factors of ground temperature other than 15°C, please refer to Table 26 (Page 66)

Table 17 : Voltage Drop (Per Amp Per Meter)
[CU/XLPE/PVC/SWA/PVC, CU/XLPE/LSZH/SWA/LSZH, CU/MT/XLPE/LSZH/SWA/LSZH Cables]

Conductor Operating Temperature : 90°C

BS 6724
IEC 60502-1

Conductor Cross-sectional Area	2-core cable, d.c.	2-core cables, 1-phase a.c.			3-core or 4-core cables, 3-phase a.c.			2-core cables, 1-phase a.c.	3-core or 4-core cables, 3-phase a.c.
								In ducts or in ground	In ducts or in ground
1	2	3			4			5	6
mm ²	mV/A/m	mV/A/m			mV/A/m			mV/A/m	mV/A/m
1.5	31.0	31.0			27.0			31.0	25.0
2.5	19.0	19.0			16.0			19.0	15.0
4	12.0	12.0			10.0			12.0	9.7
6	7.9	7.9			6.8			7.9	6.5
10	4.7	4.7			4.0			4.7	3.9
16	2.9	2.9			2.5			2.9	2.6
		r	x	z	r	x	z		
25	1.850	1.850	0.160	1.900	1.600	0.140	1.650	1.900	1.600
35	1.350	1.350	0.155	1.350	1.150	0.135	1.150	1.350	1.200
50	0.980	0.990	0.155	1.000	0.860	0.135	0.870	1.000	0.870
70	0.670	0.670	0.150	0.690	0.590	0.130	0.600	0.690	0.610
95	0.490	0.500	0.150	0.520	0.430	0.130	0.450	0.520	0.450
120	0.390	0.400	0.145	0.420	0.340	0.130	0.370	0.420	0.360
150	0.310	0.320	0.145	0.350	0.280	0.125	0.300	0.350	0.300
185	0.250	0.260	0.145	0.290	0.220	0.125	0.260	0.290	0.250
240	0.195	0.200	0.140	0.240	0.175	0.125	0.210	0.240	0.210
300	0.155	0.160	0.140	0.210	0.140	0.120	0.185	0.210	0.190
400	0.120	0.130	0.140	0.190	0.115	0.120	0.165	0.190	0.180

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

Flexible Cables



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Flexible Cables with PVC Insulation, or PVC Insulation & PVC Outersheath 250/440V

Table 18 : Technical Data Flexible Cord, Imperial Sizes
[CU/PVC or CU/PVC/PVC Cables]

Conductor Operating Temperature : 70°C
Ambient Temperature : 30°C

BS 2004

Conductor		Current-Carrying Capacity		Voltage Drop per 100 feet		Maximum Weight supportable by twin flexible cord
Cross-sectional Area	No./Diam. of Strand	d.c. or 1- or 3-phase a.c.	d.c. or 1-phase a.c.	3-phase a.c.		
1	2	3	4	5	6	
mm ²	No./inch	A	V	V	lb	
0.4	14/0.0076	3	8.9	7.7	3	
0.7	23/0.0076	6	11	9.4	5	
1.2	40/0.0076	13	14	12	10	
2.0	70/0.0076	18	12	10	10	
3.2	110/0.0076	24	9.6	8.3	10	
4.7	162/0.0076	31	8.4	7.3	10	

Note : For rating factor of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Flexible Cables with PVC Insulation, PVC Outersheath 300/500V

Table 19 : Technical Data Flexible Cord, Metrics Sizes
[CU/PVC/PVC Cables]

Conductor Operating Temperature : 60°C

BS EN 50525-2-11
BS 6500

Conductor		Current-Carrying Capacity		Voltage Drop		Maximum Mass supportable by twin flexible cord
Cross-sectional Area	No./Diam. of Strand	d.c. or 1-phase a.c.	3-phase a.c.	d.c. or 1-phase a.c.	3-phase a.c.	
1	2	3		4	5	6
mm ²	No./mm	A		mV/A/m	mV/A/m	kg
0.5	16/0.20	3	3	93	80	2
0.75	24/0.20	6	6	62	54	3
1	32/0.20	10	10	46	40	5
1.5	30/0.25	16	16	32	27	5
2.5	50/0.25	25	20	19	16	5
4	56/0.30	32	25	12	10	5

Note : For rating factor of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Current Rating and Voltage Drop

EPR Insulated Cables



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Single-Core EPR Insulated, Chlorinated Polyethylene Outersheath Neoprene Cable 450/750V or 0.6/1kV

Table 20 : Current-Carrying Capacities (Amp)
[CU/EPR/CPE Cables]

Conductor Operating Temperature : 90°C
Ambient Temperature : 30°C

BS EN 50525-2-21

Conductor Cross-sectional Area	Reference Method 3 (enclosed in conduit etc. in or on a wall)		Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated cable tray) Horizontal or Vertical		Reference Method 12 (in free air)	
	2 cables, 1-phase a.c. or d.c.	3 or 4 cables, 3-phase a.c.	2 cables, 1-phase a.c. or d.c. flat and touching	3 or 4 cables, 3-phase a.c. flat and touching or trefoil	2 cables, 1-phase a.c. or d.c. flat and touching	3 or 4 cables, 3-phase a.c. flat and touching or trefoil	2 cables, 1-phase a.c. or d.c. or 3 or 4 cables, 3-phase a.c. flat spaced horizontal or vertical	3 cables trefoil, 3-phase a.c.
1	2	3	4	5	6	7	8	9
mm ²	A	A	A	A	A	A	A	A
1	17	15	19	17.5	-	-	-	-
1.5	22	19.5	25	23	-	-	-	-
2.5	30	27	34	31	-	-	-	-
4	40	36	45	42	-	-	-	-
6	52	46	59	54	-	-	-	-
10	72	63	81	75	-	-	-	-
16	96	85	108	100	-	-	-	-
25	127	112	143	133	153	140	154	134
35	157	138	177	164	189	174	192	167
50	190	167	215	199	229	211	235	204
70	242	213	274	254	293	269	303	262
95	293	258	332	308	356	327	370	320
120	339	298	384	357	412	379	431	373
150	372	334	442	411	475	437	499	432
185	428	379	519	469	542	499	573	495
240	510	443	607	553	639	589	679	587
300	593	506	695	636	735	679	786	680
400	719	602	827	755	860	798	929	799
500	835	689	946	865	989	918	1081	919
630	975	791	1088	996	1143	1062	1263	1060

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Table 21 : Voltage Drop (Per Amp Per Meter)
[CU/EPR/CPE Cables]

Conductor Operating Temperature : 90°C

BS EN 50525-2-21

Conductor Cross-sectional Area	2 cables, d.c.	2 cables, 1-phase a.c.									3 or 4 cables, 3-phase a.c.											
		Reference Method 3 (enclosed in conduit etc. in or on a wall)			Reference Methods 1 & 11 (clipped direct or on trays, touching)			Reference Method 12 (spaced*)			Reference Method 3 (enclosed in conduit etc. in or on a wall)			Reference Method 1, 11 & 12 (in trefoil touching)			Reference Methods 1 & 11 (flat and touching)			Reference Method 12 (flat spaced*)		
1	2	3			4			5			6			7			8			9		
mm ²	mV/A/m	mV/A/m			mV/A/m			mV/A/m			mV/A/m			mV/A/m			mV/A/m			mV/A/m		
1	46	46			46			-			40			40			40			-		
1.5	31	31			31			-			26			26			26			-		
2.5	18	18			18			-			16			16			16			-		
4	12	12			12			-			10			10			10			-		
6	7.7	7.7			7.7			-			6.7			6.7			6.7			-		
10	4.6	4.6			4.6			-			4.0			4.0			4.0			-		
16	2.9	2.9			2.9			-			2.5			2.5			2.5			-		
		r	x	z	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z
25	1.80	1.85	0.32	1.90	1.85	0.20	1.85	1.85	0.29	1.85	1.60	0.28	1.65	1.60	0.175	1.60	1.60	0.25	1.60	1.60	0.32	1.65
35	1.30	1.35	0.31	1.40	1.30	0.195	1.35	1.30	0.28	1.35	1.15	0.27	1.20	1.15	0.170	1.15	1.15	0.24	1.15	1.15	0.32	1.20
50	0.95	1.00	0.30	1.05	0.97	0.190	0.99	0.97	0.28	1.00	0.87	0.26	0.91	0.84	0.165	0.86	0.84	0.24	0.88	0.84	0.32	0.90
70	0.65	0.68	0.29	0.74	0.66	0.185	0.69	0.66	0.27	0.72	0.60	0.25	0.65	0.57	0.160	0.60	0.57	0.24	0.62	0.57	0.31	0.65
95	0.48	0.51	0.28	0.58	0.49	0.180	0.52	0.49	0.27	0.56	0.44	0.25	0.51	0.43	0.155	0.45	0.43	0.23	0.48	0.42	0.31	0.52
120	0.38	0.40	0.27	0.49	0.39	0.175	0.43	0.39	0.26	0.47	0.35	0.24	0.43	0.34	0.155	0.37	0.34	0.23	0.41	0.34	0.30	0.45
150	0.30	0.33	0.27	0.42	0.31	0.175	0.36	0.31	0.26	0.40	0.29	0.24	0.37	0.27	0.150	0.31	0.27	0.23	0.35	0.27	0.30	0.40
185	0.25	0.27	0.27	0.38	0.25	0.170	0.30	0.25	0.26	0.36	0.23	0.23	0.33	0.22	0.150	0.26	0.22	0.22	0.31	0.22	0.30	0.37
240	0.190	0.21	0.26	0.33	0.195	0.165	0.26	0.195	0.25	0.32	0.180	0.23	0.29	0.170	0.145	0.22	0.170	0.22	0.28	0.170	0.30	0.34
300	0.150	0.170	0.26	0.31	0.155	0.165	0.23	0.155	0.25	0.29	0.150	0.23	0.27	0.135	0.140	0.195	0.135	0.22	0.26	0.135	0.29	0.32
400	0.115	0.140	0.26	0.30	0.125	0.160	0.20	0.120	0.25	0.28	0.130	0.22	0.26	0.110	0.140	0.175	0.110	0.21	0.24	0.105	0.29	0.31
500	0.091	0.115	0.26	0.28	0.100	0.155	0.185	0.097	0.24	0.26	0.105	0.22	0.24	0.089	0.135	0.165	0.089	0.21	0.23	0.085	0.29	0.30
630	0.072	0.100	0.25	0.27	0.082	0.155	0.175	0.077	0.24	0.25	0.085	0.22	0.24	0.073	0.135	0.155	0.073	0.21	0.22	0.067	0.28	0.29

Note : r = resistive component; x = reactive component; z = impedance value

Current Rating and Voltage Drop

EPR Insulated Cables



tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

Multi-Core EPR Insulated, Chlorinated Polyethylene Outersheath Neoprene Cable 450/750V or 0.6/1kV

Table 22 : Current-Carrying Capacities (Amp)
[CU/EPR/CPE Cables]

Conductor Operating Temperature : 90°C
Ambient Temperature : 30°C

BS EN 50525-2-21

Conductor Cross-sectional Area	Reference Method 3 (enclosed)		Reference Method 1 (clipped direct)		Reference Method 11 (on a perforated cable tray) or Reference Method 13 (in free air)	
	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.	one 2-core cable, 1-phase a.c. or d.c.	one 3-core or 4-core cable, 3-phase a.c.
1	2	3	4	5	6	7
mm ²	A	A	A	A	A	A
1	16.5	14.5	18	16	19.5	17.5
1.5	21	18.5	23	20	25	22
2.5	29	25	32	28	34	30
4	38	33	43	37	46	40
6	48	43	55	48	59	52
10	66	58	76	66	81	71
16	87	77	103	88	109	94
25	114	100	136	117	144	123
35	139	122	168	144	177	151
50	167	147	201	174	213	186
70	211	185	256	222	272	237
95	254	222	310	269	329	287
120	292	256	359	312	381	333
150	320	287	413	359	438	383
185	368	326	470	409	499	437
240	439	381	553	482	587	515
300	509	436	636	555	675	593

Note : For rating factors of ambient temperature other than 30°C, please refer to Table 25 (Page 66)

Table 23 : Voltage Drop (Per Amp Per Meter)
[CU/EPR/CPE Cables]

Conductor Operating Temperature : 90°C

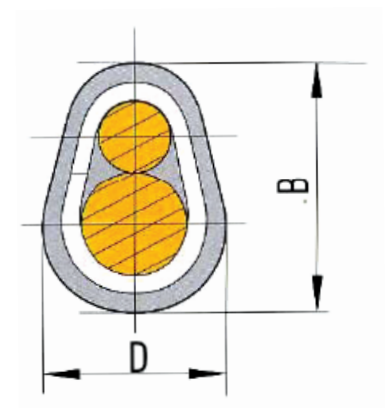
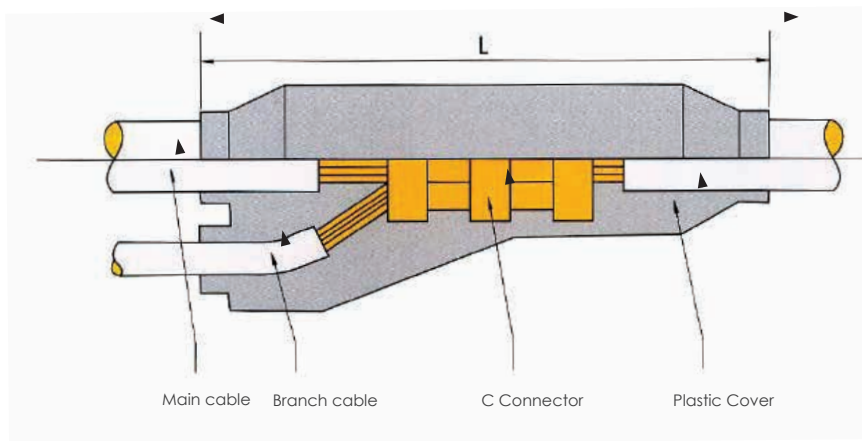
BS EN 50525-2-21

Conductor Cross-sectional Area	2-core cable, d.c.	2-core cable, 1-phase a.c.			3-core, 4-core or 5-core cables, 3-phase a.c.		
	2	r	x	z	r	x	z
1	2	3			4		
mm ²	mV/A/m	mV/A/m			mV/A/m		
1	46	46			40		
1.5	31	31			26		
2.5	19	19			16		
4	12	12			10		
6	7.7	7.7			6.7		
10	4.6	4.6			4.0		
16	2.9	2.9			2.5		
25	1.80	1.85	0.175	1.85	1.60	0.150	1.60
35	1.30	1.30	0.170	1.35	1.15	0.150	1.15
50	0.95	0.97	0.170	0.99	0.84	0.145	0.86
70	0.65	0.66	0.165	0.68	0.58	0.140	0.59
95	0.48	0.49	0.160	0.52	0.43	0.140	0.45
120	0.38	0.39	0.160	0.42	0.34	0.135	0.36
150	0.30	0.31	0.155	0.35	0.27	0.135	0.20
185	0.25	0.25	0.155	0.20	0.22	0.130	0.26
240	0.190	0.195	0.150	0.25	0.170	0.130	0.22
300	0.150	0.155	0.150	0.22	0.135	0.130	0.185

Note : r = resistive component; x = reactive component; z = impedance value

Table 24 : KEYFAB™ Prefabricated Branch Cables Size Reference

Main Cable	(mm ²)	25	35	50	70	70	95	120	95	120	150	185	240	185	240	300	400	400	500	630	800	1000
Branch Cable	(mm ²)	6 to 25	6 to 35	6 to 50	6 to 70	35 to 70	6 to 50	6 to 25	70 to 95	35 to 120	6 to 120	6 to 95	6 to 35	120	50 to 120	60 to 150	6 to 50	70 to 150	6 to 185	6 to 185	6 to 185	6 to 185
Reference Size	L (mm)	104		130		154			190			213			250		290					
	D (mm)	28		35		42			52			66			78		88					
	B (mm)	46		58		70			86			100			113		134					



KEYFAB™ Prefabricated Branch Cables Inspection and Testing

- Each connection made between the main and prefabricated branch cable employs a copper "C" type connector and is encapsulated in thermoplastic;
- The insulation Resistance value of the system is measured over 200MΩ at the factory;
- Cable with connectors can withstand dielectric voltage of 3.5kV for 5 minutes under one meter water pressure;
- The DC conductor resistance ratio between the connected cable system and the cables with same length is less than 1.2;
- Able to withstand 250 Heat Cycle Test;
- Cable system meets flame retardant requirement to IEC 60332.

Table 25 : Correction Factor for Ambient Air Temperature Other Than 30°C to be Applied to the Current-Carrying Capacities for Cables in Free Air

Ambient Temperature (°C)	Insulation				
	PVC (70°C)	XLPE (90°C)	HT-PVC (90°C)	Rubber (85°C)	Rubber (60°C)
10	1.22	1.15	-	-	-
15	1.17	1.12	-	-	-
20	1.12	1.08	-	-	-
25	1.06	1.04	1.03	1.02	-
30	1.00	1.00	1.00	1.00	1.00
35	0.94	0.96	0.97	0.95	0.91
40	0.87	0.91	0.94	0.90	0.82
45	0.79	0.87	0.91	0.85	0.71
50	0.71	0.82	0.87	0.80	0.58
55	0.61	0.76	0.84	0.74	0.41
60	0.50	0.71	0.80	0.67	-
65	0.35	0.65	0.76	0.60	-
70	-	0.58	0.71	0.52	-
75	-	0.50	0.61	0.43	-
80	-	0.41	0.50	0.30	-
85	-	0.29	0.35	-	-

Table 26 : Correction Factor for Ambient Ground Temperature Other Than 15°C to be Applied to the Current-Carrying Capacities for Cables in Ducts or in Ground

Ground Temperature (°C)	Insulation	
	PVC (70°C)	XLPE (90°C)
10	1.04	1.03
15	1.00	1.00
20	0.95	0.97
25	0.90	0.93
30	0.85	0.89
35	0.80	0.86
40	0.74	0.82
45	0.67	0.77
50	0.60	0.73
55	-	0.68
60	-	0.63
65	-	0.58