



Anti-RT 防鼠蟻電纜



雙效保護



無鉛環保



台美專利



600V PVC Insulated Anti-Rat and Termite Wire

Conductor			Thickness of Insulation (nom.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance		Ref.
Nominal Cross-sectional Area	Construction	Outer Diameter (Approx.)					20°C	60°C	
mm ²	No/mm	mm	mm	mm	Ω/km	V/1min	MΩ·km		m
---	1/0.8	0.8	0.8	2.4	35.7	1500	50	0.2	300
---	1/1.0	1.0	0.8	2.6	22.8	1500	50	0.2	
---	1/1.2	1.2	0.8	2.8	15.8	1500	50	0.2	
---	1/1.6	1.6	0.8	3.2	8.92	1500	50	0.2	
---	1/2.0	2.0	0.8	3.6	5.65	1500	50	0.15	
1.25	7/0.45	1.4	0.8	3.0	16.5	1500	50	0.2	
2.0	7/0.6	1.8	0.8	3.4	9.24	1500	50	0.2	
3.5	7/0.8	2.4	0.8	4.0	5.20	1500	50	0.15	
5.5	7/1.0	3.0	1.0	5.0	3.33	1500	50	0.15	
8	7/1.2	3.6	1.2	6.0	2.31	1500	50	0.15	
	Circular compacted	3.4	1.2	5.8	2.29	1500	50	0.15	
14	7/1.6	4.8	1.4	7.6	1.30	2000	40	0.1	200
	Circular compacted	4.4	1.4	7.2	1.31	2000	40	0.1	
22	7/2.0	6.0	1.6	9.2	0.824	2000	40	0.1	100
	Circular compacted	5.5	1.6	8.7	0.832	2000	40	0.1	
30	7/2.3	6.9	1.6	10.5	0.623	2000	40	0.1	300
	Circular compacted	6.4	1.6	9.6	0.610	2000	40	0.1	
38	7/2.6	7.8	1.8	11.5	0.487	2500	40	0.1	300
	Circular compacted	7.3	1.8	10.7	0.481	2500	40	0.1	
50	19/1.8	9.0	1.8	13.0	0.378	2500	30	0.1	200
	Circular compacted	8.4	1.8	12.0	0.366	2500	30	0.1	
60	19/2.0	10.0	1.8	14.0	0.303	2500	30	0.07	300
	Circular compacted	9.3	1.8	12.7	0.305	2500	30	0.07	
80	19/2.3	11.5	2.0	15.5	0.229	2500	30	0.07	200
	Circular compacted	10.7	2.0	14.7	0.229	2500	30	0.07	
100	19/2.6	13.0	2.0	17.0	0.180	2500	30	0.07	300
	Circular compacted	12.0	2.0	15.8	0.183	2500	30	0.07	
125	19/2.9	14.5	2.2	19.0	0.144	3000	20	0.07	200
	Circular compacted	13.5	2.2	17.6	0.146	3000	20	0.07	
150	37/2.3	16.1	2.2	21.0	0.118	3000	20	0.05	300
	Circular compacted	14.7	2.2	19.1	0.122	3000	20	0.05	
200	37/2.6	18.2	2.4	23.0	0.0922	3000	20	0.05	200
	Circular compacted	17.0	2.4	21.4	0.0915	3000	20	0.05	
250	61/2.3	20.7	2.4	26.0	0.0722	3000	20	0.05	300
	Circular compacted	19.0	2.4	23.7	0.0739	3000	20	0.05	
325	61/2.6	23.4	2.6	29.0	0.0565	3500	20	0.05	200
	Circular compacted	21.7	2.6	26.5	0.0568	3500	20	0.05	
400	61/2.9	26.1	2.6	32.0	0.0454	3500	20	0.05	300
	Circular compacted	24.1	2.6	29.2	0.0462	3500	20	0.05	
500	61/3.2	28.8	2.8	35.0	0.0373	3500	20	0.05	200
	Circular compacted	26.9	2.8	32.3	0.0369	3500	20	0.05	

600V PVC Insulated and Sheath Anit-Rat and Termite Cable

Conductor			Thickness of Insulation (Nom)	Two cores		Three cores		Four cores		Max. Conductor Resistance (20°C)	Min. Insulation Resistance (20°C)
Nominal Cross-sectional Area	Construction	Outer Diameter (Approx.)		Thickness of sheath (nom.)	Overall Diameter (Approx.)	Thickness of sheath (nom.)	Overall Diameter (Approx.)	Thickness of sheath (nom.)	Overall Diameter (Approx.)		
mm ²	No/mm	mm	mm	mm	mm	mm	mm	mm	mm	Ω/km	MΩ·km
---	1/1.0	1.0	0.8	1.5	8.8	1.5	9.1	1.5	9.8	23.3	50
---	1/1.2	1.2	0.8	1.5	9.2	1.5	9.6	1.5	10.3	16.1	50
---	1/1.6	1.6	0.8	1.5	10.0	1.5	10.5	1.5	11.3	9.10	50
---	1/2.0	2.0	0.8	1.5	10.8	1.5	11.3	1.5	12.3	5.76	50
---	1/2.6	2.6	1.0	1.5	12.8	1.5	13.5	1.5	14.6	3.42	50
---	1/3.2	3.2	1.2	1.5	14.7	1.5	15.6	1.5	17.0	2.25	50
2.0	7/0.6	1.8	0.8	1.5	10.4	1.5	10.9	1.5	11.8	9.42	50
3.5	7/0.8	2.4	0.8	1.5	11.6	1.5	12.2	1.5	13.2	5.30	50
5.5	7/1.0	3.0	1.0	1.5	13.6	1.5	14.3	1.5	15.6	3.40	50
8	7/1.2	3.6	1.2	1.5	15.5	1.5	16.5	1.5	18.0	2.36	50
	Circular compacted	3.4	1.2	1.5	14.9	1.5	15.8	1.5	17.2	2.34	50
14	7/1.6	4.8	1.4	1.5	19.0	1.5	20.0	1.6	22.0	1.33	40
	Circular compacted	4.4	1.4	1.5	17.9	1.5	19.0	1.5	20.8	1.34	40
22	7/2.0	6.0	1.6	1.6	23.0	1.6	24.0	1.7	27.0	0.840	40
	Circular compacted	5.5	1.6	1.5	21.4	1.6	22.9	1.7	25.3	0.849	40
30	7/2.3	6.9	1.6	1.6	24.0	1.7	26.0	1.8	29.0	0.635	40
	Circular compacted	6.4	1.6	1.6	23.3	1.7	25.0	1.7	27.4	0.622	40
38	7/2.6	7.8	1.8	1.7	27.0	1.8	29.0	1.9	32.0	0.497	40
	Circular compacted	7.3	1.8	1.7	25.7	1.8	27.5	1.9	30.4	0.491	40
50	19/1.8	9.0	1.8	1.8	29.0	1.9	31.0	2.0	35.0	0.386	30
	Circular compacted	8.4	1.8	1.8	28.8	1.8	30.6	2.0	34.5	0.373	30
60	19/2.0	10.0	1.8	1.9	32.0	2.0	34.0	2.1	38.0	0.309	30
	Circular compacted	9.3	1.8	1.9	31.0	1.9	33.0	2.1	36.9	0.311	30
80	19/2.3	11.5	2.0	2.0	36.0	2.1	38.0	2.3	42.0	0.234	30
	Circular compacted	10.7	2.0	2.0	35.0	2.1	37.4	2.2	41.4	0.234	30
100	19/2.6	13.0	2.0	2.2	39.0	2.3	42.0	2.5	47.0	0.184	30
	Circular compacted	12.0	2.0	2.1	37.8	2.2	40.4	2.4	45.1	0.187	30
125	19/2.9	14.5	2.2	2.3	43.0	2.4	46.0	2.6	51.0	0.147	20
	Circular compacted	13.5	2.2	2.2	41.6	2.3	44.5	2.5	49.9	0.149	20
150	37/2.3	16.1	2.2	2.5	47.0	2.6	50.0	2.8	56.0	0.120	20
	Circular compacted	14.7	2.2	2.3	45.0	2.5	48.6	2.7	54.1	0.124	30
200	37/2.6	18.2	2.4	2.7	52.0	2.8	56.0	3.0	62.0	0.0940	20
	Circular compacted	17.0	2.4	2.6	50.4	2.7	54.1	2.9	60.3	0.0933	20
250	61/2.3	20.7	2.4	2.9	58.0	3.0	62.0	3.3	69.0	0.0736	20
	Circular compacted	19.0	2.4	2.7	55.3	2.9	59.6	3.1	66.3	0.0754	20
325	61/2.6	23.4	2.6	3.1	64.0	3.3	69.0	3.6	77.0	0.0576	20
	Circular compacted	21.7	2.6	3.0	61.8	3.1	66.3	3.4	74.3	0.0579	20

XLPE-PVC Anti-Rat and Termite Power Cable

600V Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.6	1.6	0.76	0.38	4.1	8.92	3.5	2500	300
---	1/2.0	2.0	0.76	0.38	4.5	5.65	3.5	2000	
---	1/2.6	2.6	0.76	0.38	5.1	3.35	3.5	2000	
---	1/3.2	3.2	1.14	0.38	6.6	2.21	5.5	2000	
2.0	7/0.6	1.8	0.76	0.38	4.3	9.24	3.5	2500	
3.5	7/0.8	2.4	0.76	0.38	4.9	5.20	3.5	2000	
5.5	7/1.0	3.0	0.76	0.38	5.5	3.33	3.5	2000	
8	7/1.2	3.6	1.14	0.38	7.0	2.31	5.5	1500	
14	Circular compacted	4.4	1.14	0.76	8.5	1.30	5.5	1500	
22		5.5	1.14	0.76	9.6	0.824	5.5	1500	
30		6.4	1.14	0.76	10.5	0.623	5.5	1000	
38		7.1	1.40	0.76	11.7	0.487	7.0	1000	
50		8.2	1.40	1.14	13.7	0.378	7.0	1000	
60		9.1	1.40	1.14	14.6	0.303	7.0	1000	
80		10.5	1.40	1.14	16.0	0.229	7.0	1000	
100		11.8	1.40	1.14	17.3	0.180	7.0	800	
125		13.2	1.65	1.65	20.4	0.144	8.0	800	
150		14.7	1.65	1.65	21.9	0.118	8.0	800	
200		16.6	1.65	1.65	23.8	0.0922	8.0	800	200
250		18.9	1.65	1.65	26.1	0.0722	8.0	600	
325		21.3	2.03	1.65	29.2	0.0565	10.0	600	
400		24.0	2.03	1.65	31.9	0.0454	10.0	600	
500	Circular compacted	26.5	2.03	1.65	34.6	0.0373	10.0	600	150
600		30.2	2.41	2.41	40.6	0.0304	10.0	600	
800		34.0	2.41	2.41	45.8	0.0234	10.0	400	
1000		38.1	2.41	2.41	50.8	0.0179	10.0	400	

XLPE-PVC Anti-Rat and Termite Power Cable

600V Two cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.6	1.6	0.76	1.14	9.7	9.10	3.5	2500	300
---	1/2.0	2.0	0.76	1.14	10.5	5.76	3.5	2000	
---	1/2.6	2.6	0.76	1.14	11.7	3.42	3.5	2000	
---	1/3.2	3.2	1.14	1.14	14.7	2.25	5.5	2000	
2	7/0.6	1.8	0.76	1.14	10.1	9.42	3.5	2500	
3.5	7/0.8	2.4	0.76	1.14	11.3	5.3	3.5	2000	
5.5	7/1.0	3.0	0.76	1.14	12.5	3.4	3.5	2000	
8	7/1.2	3.6	1.14	1.52	16.3	2.36	5.5	1500	
14	Circular compacted	4.4	1.14	1.52	17.9	1.33	5.5	1500	
22		5.5	1.14	1.52	20.7	0.840	5.5	1500	
30		6.4	1.14	2.03	23.0	0.635	5.5	1000	
38		7.1	1.40	2.03	25.8	0.497	7.0	1000	
50		8.2	1.40	2.03	27.1	0.386	7.0	1000	
60		9.1	1.40	2.03	29.0	0.309	7.0	1000	
80		10.5	1.40	2.03	31.8	0.234	7.0	1000	
100		11.8	1.40	2.03	34.4	0.184	7.0	800	
125		13.2	1.65	2.03	38.4	0.147	8.0	800	
150		14.7	1.65	2.03	41.4	0.120	8.0	800	
200		16.6	1.65	2.79	46.9	0.0940	8.0	800	
250		18.9	1.65	2.79	51.4	0.0736	8.0	600	200
325		21.3	2.03	2.79	57.7	0.0576	10.0	600	

XLPE-PVC Anti-Rat and Termite Power Cable

600V Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.6	1.6	0.76	1.14	10.3	9.10	3.5	2500	300
---	1/2.0	2.0	0.76	1.14	11.2	5.76	3.5	2000	
---	1/2.6	2.6	0.76	1.14	12.5	3.42	3.5	2000	
---	1/3.2	3.2	1.14	1.52	15.7	2.25	5.5	2000	
2.0	7/0.6	1.8	0.76	1.14	10.7	9.42	3.5	2500	
3.5	7/0.8	2.4	0.76	1.14	12.0	5.3	3.5	2000	
5.5	7/1.0	3.0	0.76	1.14	13.3	3.4	3.5	2000	
8	7/1.2	3.6	1.14	1.52	17.3	2.36	5.5	1500	
14	Circular compacted	4.4	1.14	1.52	19.1	1.33	5.5	1500	
22		5.5	1.14	2.03	22.0	0.840	5.5	1500	
30		6.4	1.14	2.03	24.9	0.635	5.5	1000	
38		7.1	1.40	2.03	26.4	0.497	7.0	1000	
50		8.2	1.40	2.03	28.9	0.386	7.0	1000	
60		9.1	1.40	2.03	30.8	0.309	7.0	1000	
80		10.5	1.40	2.03	33.9	0.234	7.0	1000	
100		11.8	1.40	2.03	36.7	0.184	7.0	800	
125		13.2	1.65	2.03	42.7	0.147	8.0	800	
150		14.7	1.65	2.79	45.9	0.120	8.0	800	
200		16.6	1.65	2.79	50.0	0.0940	8.0	800	200
250		18.9	1.65	2.79	55.0	0.0736	8.0	600	
325		21.3	2.03	2.79	61.6	0.0576	10.0	600	

XLPE-PVC Anti-Rat and Termite Power Cable

600V Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.6	1.6	0.76	1.14	11.1	9.10	3.5	2500	300
---	1/2.0	2.0	0.76	1.14	12.1	5.76	3.5	2000	
---	1/2.6	2.6	0.76	1.14	13.5	3.42	3.5	2000	
---	1/3.2	3.2	1.14	1.52	18.0	2.25	5.5	2000	
2.0	7/0.6	1.8	0.76	1.14	11.6	9.42	3.5	2500	
3.5	7/0.8	2.4	0.76	1.14	13.1	5.3	3.5	2000	
5.5	7/1.0	3.0	0.76	1.52	15.3	3.4	3.5	2000	
8	7/1.2	3.6	1.14	1.52	18.9	2.36	5.5	1500	
14	Circular compacted	4.4	1.14	1.52	20.9	1.33	5.5	1500	
22		5.5	1.14	2.03	24.0	0.840	5.5	1500	
30		6.4	1.14	2.03	27.4	0.635	5.5	1000	
38		7.1	1.40	2.03	29.0	0.497	7.0	1000	
50		8.2	1.40	2.03	31.8	0.386	7.0	1000	
60		9.1	1.40	2.03	34.0	0.309	7.0	1000	
80		10.5	1.40	2.03	37.3	0.234	7.0	1000	
100		11.8	1.40	2.79	42.2	0.184	7.0	800	
125		13.2	1.65	2.79	47.0	0.147	8.0	800	
150		14.7	1.65	2.79	50.6	0.120	8.0	800	200
200		16.6	1.65	2.79	55.2	0.0940	8.0	800	
250		18.9	1.65	2.79	60.7	0.0736	8.0	600	
325		21.3	2.03	3.56	69.9	0.0576	10.0	600	

XLPE-PVC Anti-Rat and Termite Power Cable

2kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
2	7/0.6	1.8	1.14	0.38	5.2	9.24	5.5	3500	300
3.5	7/0.8	2.4	1.14	0.38	5.8	5.20	5.5	3000	
5.5	7/1.0	3.0	1.14	0.38	6.4	3.33	5.5	2500	
8	7/1.2	3.6	1.40	0.38	7.5	2.31	7.0	2500	
14	Circular compacted	4.4	1.40	0.76	9.0	1.30	7.0	2000	
22		5.5	1.40	0.76	10.1	0.824	7.0	2000	
30		6.4	1.40	0.76	11.0	0.623	7.0	1500	
38		7.1	1.65	0.76	12.3	0.487	8.0	1500	
50		8.2	1.65	1.14	14.3	0.378	8.0	1500	
60		9.1	1.65	1.14	15.2	0.303	8.0	1500	
80		10.5	1.65	1.14	16.6	0.229	8.0	1000	
100		11.8	1.65	1.14	17.9	0.180	8.0	1000	
125		13.2	1.90	1.65	20.9	0.144	9.5	1000	
150		14.7	1.90	1.65	22.4	0.118	9.5	1000	
200		16.6	1.90	1.65	24.3	0.0922	9.5	800	
250		18.9	1.90	1.65	26.6	0.0722	9.5	800	
325		21.3	2.29	1.65	29.8	0.0565	11.5	800	200
400		24.0	2.29	1.65	32.5	0.0454	11.5	800	
500		26.5	2.29	1.65	35.0	0.0373	11.5	600	150

2kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
2	7/0.6	1.8	1.14	1.14	12.7	9.42	5.5	3500	300
3.5	7/0.8	2.4	1.14	1.14	14.0	5.30	5.5	3000	
5.5	7/1.0	3.0	1.14	1.52	16.1	3.40	5.5	2500	
8	7/1.2	3.6	1.40	1.52	18.4	2.36	7.0	2500	
14	Circular compacted	4.4	1.40	1.52	20.1	1.33	7.0	2000	
22		5.5	1.40	2.03	23.0	0.840	7.0	2000	
30		6.4	1.40	2.03	24.9	0.635	7.0	1500	
38		7.1	1.65	2.03	27.7	0.497	8.0	1500	
50		8.2	1.65	2.03	30.2	0.386	8.0	1500	
60		9.1	1.65	2.03	32.1	0.309	8.0	1500	
80		10.5	1.65	2.03	35.1	0.234	8.0	1000	
100		11.8	1.65	2.03	37.9	0.184	8.0	1000	
125		13.2	1.90	2.79	43.7	0.147	9.5	1000	
150		14.7	1.90	2.79	47.0	0.120	9.5	1000	200
200		16.6	1.90	2.79	51.1	0.0940	9.5	800	
250		18.9	1.90	2.79	55.0	0.0736	9.5	800	150
325		21.3	2.29	2.79	62.9	0.0576	11.5	800	

XLPE-PVC Anti-Rat and Termite Power Cable

■ 5kV Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
8	Circular compacted	3.3	2.29	1.14	14.0	2.31	18	3000	300
14		4.4	2.29	1.52	15.9	1.30	18	3000	
22		5.5	2.29	1.52	17.1	0.824	18	2500	
30		6.4	2.29	1.52	17.9	0.623	18	2000	
38		7.1	2.29	1.52	18.6	0.487	18	2000	
50		8.2	2.29	1.52	19.7	0.378	18	2000	
60		9.1	2.29	1.52	20.6	0.303	18	2000	
80		10.5	2.29	1.52	22.0	0.229	18	1500	
100		11.8	2.29	2.03	24.3	0.180	18	1500	
125		13.2	2.29	2.03	25.7	0.144	18	1500	
150		14.7	2.29	2.03	27.2	0.118	18	1500	
200		16.6	2.29	2.03	29.1	0.0922	18	1000	
250		18.9	2.29	2.03	31.4	0.0722	18	1000	200
325		21.3	2.29	2.03	34.6	0.0565	18	1000	
400		24.0	2.29	2.03	37.8	0.0454	18	800	150
500		26.5	2.29	2.03	40.5	0.0373	18	800	

■ 5kV Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
8	Circular compacted	3.3	2.29	2.03	28.7	2.36	18	3000	300
14		4.4	2.29	2.03	31.1	1.33	18	3000	
22		5.5	2.29	2.03	33.5	0.840	18	2500	
30		6.4	2.29	2.03	35.4	0.635	18	2000	
38		7.1	2.29	2.03	36.9	0.497	18	2000	
50		8.2	2.29	2.03	39.4	0.386	18	2000	
60		9.1	2.29	2.03	41.3	0.309	18	2000	
80		10.5	2.29	2.03	44.3	0.234	18	1500	
100		11.8	2.29	2.79	48.8	0.184	18	1500	
125		13.2	2.29	2.79	51.8	0.147	18	1500	
150		14.7	2.29	2.79	55.1	0.120	18	1500	200
200		16.6	2.29	2.79	59.2	0.0940	18	1000	150
250		18.9	2.29	2.79	64.0	0.0736	18	1000	
325		21.3	2.29	3.56	72.6	0.0576	18	1000	

XLPE-PVC Anti-Rat and Termite Power Cable

■ 8kV Single cores (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
14	Circular compacted	4.4	2.92	1.52	17.3	1.30	23	3500	300
22		5.5	2.92	1.52	18.5	0.824	23	3000	
30		6.4	2.92	1.52	19.3	0.623	23	2500	
38		7.1	2.92	1.52	20.0	0.487	23	2500	
50		8.2	2.92	2.03	22.1	0.378	23	2000	
60		9.1	2.92	2.03	23.0	0.303	23	2000	
80		10.5	2.92	2.03	24.4	0.229	23	2000	
100		11.8	2.92	2.03	25.7	0.180	23	2000	
125		13.2	2.92	2.03	27.1	0.144	23	1500	
150		14.7	2.92	2.03	28.6	0.118	23	1500	
200		16.6	2.92	2.03	30.5	0.0922	23	1500	200
250		18.9	2.92	2.03	33.4	0.0722	23	1500	
325		21.3	2.92	2.03	36.0	0.0565	23	1500	150
400		24.0	2.92	2.03	39.2	0.0454	23	1500	
500		26.5	2.92	2.03	41.9	0.0373	23	1000	

■ 8kV Three cores (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
14	Circular compacted	4.4	2.92	2.03	34.2	1.33	23	3500	300
22		5.5	2.92	2.03	36.6	0.840	23	3000	
30		6.4	2.92	2.03	38.5	0.635	23	2500	
38		7.1	2.92	2.03	40.0	0.497	23	2500	
50		8.2	2.92	2.03	42.4	0.386	23	2000	
60		9.1	2.92	2.79	46.0	0.309	23	2000	
80		10.5	2.92	2.79	49.0	0.234	23	2000	200
100		11.8	2.92	2.79	51.8	0.184	23	2000	
125		13.2	2.92	2.79	54.9	0.147	23	1500	150
150		14.7	2.92	2.79	58.1	0.120	23	1500	
200		16.6	2.92	2.79	62.2	0.0940	23	1500	
250		18.9	2.92	2.79	68.4	0.0736	23	1000	
325		21.3	2.92	3.56	75.6	0.0576	23	1000	

XLPE-PVC Anti-Rat and Termite Power Cable

■ 8kV Single core (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
14	Circular compacted	4.4	3.56	1.52	18.6	1.30	28	3500	300
22		5.5	3.56	1.52	19.8	0.824	28	3000	
30		6.4	3.56	1.52	20.6	0.623	28	2500	
38		7.1	3.56	2.03	22.3	0.487	28	2500	
50		8.2	3.56	2.03	23.4	0.378	28	2000	
60		9.1	3.56	2.03	24.3	0.303	28	2000	
80		10.5	3.56	2.03	25.7	0.229	28	2000	
100		11.8	3.56	2.03	27.0	0.180	28	2000	
125		13.2	3.56	2.03	28.4	0.144	28	1500	
150		14.7	3.56	2.03	29.9	0.118	28	1500	200
200		16.6	3.56	2.03	31.8	0.0922	28	1500	
250		18.9	3.56	2.03	34.7	0.0722	28	1000	150
325		21.3	3.56	2.03	37.3	0.0565	28	1000	
400		24.0	3.56	2.03	40.5	0.0454	28	1000	
500		26.5	3.56	2.79	45.3	0.0373	28	1000	

■ 8kV Three cores (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
14	Circular compacted	4.4	3.56	2.03	37.0	1.33	28	3500	300
22		5.5	3.56	2.03	39.4	0.840	28	3000	
30		6.4	3.56	2.03	41.3	0.635	28	2500	
38		7.1	3.56	2.03	42.8	0.497	28	2500	
50		8.2	3.56	2.79	46.9	0.386	28	2000	
60		9.1	3.56	2.79	48.8	0.309	28	2000	200
80		10.5	3.56	2.79	51.8	0.234	28	2000	
100		11.8	3.56	2.79	54.6	0.184	28	2000	
125		13.2	3.56	2.79	57.7	0.147	28	1500	150
150		14.7	3.56	2.79	60.9	0.120	28	1500	
200		16.6	3.56	2.79	65.0	0.0940	28	1500	
250		18.9	3.56	3.56	72.8	0.0736	28	1000	
325		21.3	3.56	3.56	78.4	0.0576	28	1000	

XLPE-PVC Anti-Rat Termite Power Cable

■ 15kV Single core (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	4.45	2.03	23.6	0.623	35	3500	300
38		7.1	4.45	2.03	24.3	0.487	35	3500	
50		8.2	4.45	2.03	25.4	0.378	35	3000	
60		9.1	4.45	2.03	26.3	0.303	35	3000	
80		10.5	4.45	2.03	27.7	0.229	35	2500	
100		11.8	4.45	2.03	29.0	0.180	35	2500	200
125		13.2	4.45	2.03	30.4	0.144	35	2000	
150		14.7	4.45	2.03	32.5	0.118	35	2000	
200		16.6	4.45	2.03	34.4	0.0922	35	2000	
250		18.9	4.45	2.03	36.7	0.0722	35	1500	
325		21.3	4.45	2.03	39.4	0.0565	35	1500	
400		24.0	4.45	2.03	42.8	0.0454	35	1500	150
500		26.5	4.45	2.79	47.6	0.0373	35	1500	

■ 15kV Three cores (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	4.45	2.79	47.2	0.635	35	3500	200
38		7.1	4.45	2.79	48.7	0.497	35	3500	
50		8.2	4.45	2.79	51.1	0.386	35	3000	
60		9.1	4.45	2.79	53.1	0.309	35	3000	
80		10.5	4.45	2.79	56.2	0.234	35	2500	
100		11.8	4.45	2.79	59.0	0.184	35	2500	150
125		13.2	4.45	2.79	62.0	0.147	35	2000	
150		14.7	4.45	2.79	66.5	0.120	35	2000	
200		16.6	4.45	2.79	70.6	0.0940	35	2000	
250		18.9	4.45	3.56	77.1	0.0736	35	1500	
325		21.3	4.45	3.56	82.8	0.0576	35	1500	

XLPE-PVC Anti-Rat and Termite Power Cable

■ 15kV Single core (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	5.59	2.03	26.0	0.623	44	3500	200
38		7.1	5.59	2.03	26.7	0.487	44	3500	
50		8.2	5.59	2.03	27.8	0.378	44	3500	
60		9.1	5.59	2.03	28.7	0.303	44	3000	
80		10.5	5.59	2.03	30.1	0.229	44	3000	150
100		11.8	5.59	2.03	31.4	0.180	44	2500	
125		13.2	5.59	2.03	33.4	0.144	44	2500	
150		14.7	5.59	2.03	34.9	0.118	44	2500	
200		16.6	5.59	2.03	36.8	0.0922	44	2000	
250		18.9	5.59	2.03	39.1	0.0722	44	2000	
325		21.3	5.59	2.79	43.5	0.0565	44	2000	
400		24.0	5.59	2.79	46.7	0.0454	44	1500	
500		26.5	5.59	2.79	50.0	0.0373	44	1500	

■ 15kV Single core (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	5.59	2.79	52.4	0.635	44	3500	150
38		7.1	5.59	2.79	53.9	0.497	44	3500	
50		8.2	5.59	2.79	56.3	0.386	44	3500	
60		9.1	5.59	2.79	58.2	0.309	44	3000	
80		10.5	5.59	2.79	61.2	0.234	44	3000	
100		11.8	5.59	2.79	64.0	0.184	44	2500	
125		13.2	5.59	2.79	68.3	0.147	44	2500	
150		14.7	5.59	2.79	71.6	0.120	44	2500	
200		16.6	5.59	3.56	77.3	0.0940	44	2000	
250		18.9	5.59	3.56	82.1	0.0736	44	2000	
325		21.3	5.59	3.56	87.8	0.0576	44	2000	

XLPE-PVC Anti-Rat and Termite Power Cable

■ 25kV Single core(For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	6.6	2.03	28.1	0.623	52	3600	300
38		7.1	6.6	2.03	28.8	0.487	52	3600	
50		8.2	6.6	2.03	29.9	0.378	52	3000	
60		9.1	6.6	2.03	30.8	0.303	52	3000	
80		10.5	6.6	2.03	32.8	0.229	52	3000	200
100		11.8	6.6	2.03	34.1	0.180	52	2800	
125		13.2	6.6	2.03	35.5	0.144	52	2000	
150		14.7	6.6	2.03	37.0	0.118	52	2000	
200		16.6	6.6	2.03	38.9	0.0922	52	2000	
250		18.9	6.6	2.03	41.2	0.0722	52	1800	
325		21.3	6.6	2.79	45.6	0.0565	52	1500	
400		24.0	6.6	2.79	49.4	0.0454	52	1500	150
500		26.5	6.6	2.79	52.1	0.0373	52	1500	

■ 25kV Three cores (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	6.6	2.79	57.0	0.635	52	3600	200
38		7.1	6.6	2.79	58.5	0.497	52	3600	
50		8.2	6.6	2.79	60.9	0.386	52	3000	
60		9.1	6.6	2.79	62.8	0.309	52	3000	
80		10.5	6.6	2.79	67.1	0.234	52	3000	150
100		11.8	6.6	2.79	69.9	0.184	52	2800	
125		13.2	6.6	3.56	74.6	0.147	52	2000	
150		14.7	6.6	3.56	77.8	0.120	52	2000	
200		16.6	6.6	3.56	81.9	0.0940	52	2000	
250		18.9	6.6	3.56	86.8	0.0736	52	1800	
325		21.3	6.6	3.56	92.4	0.0576	52	1500	

XLPE-PVC Anti-Rat and Termite power cable

■ 25kV Single core (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	8.76	2.03	32.9	0.623	64	4500	200
38		7.1	8.76	2.03	33.6	0.487	64	4500	
50		8.2	8.76	2.03	34.7	0.378	64	4000	
60		9.1	8.76	2.03	35.6	0.303	64	3800	
80		10.5	8.76	2.03	37.0	0.229	64	3500	150
100		11.8	8.76	2.03	38.3	0.180	64	3500	
125		13.2	8.76	2.03	39.7	0.144	64	3500	
150		14.7	8.76	2.03	41.2	0.118	64	3200	
200		16.6	8.76	2.79	44.8	0.0922	64	2800	
250		18.9	8.76	2.79	47.7	0.0722	64	2800	
325		21.3	8.76	2.79	50.3	0.0565	64	2400	
400		24.0	8.76	2.79	53.5	0.0454	64	2000	
500		26.5	8.76	2.79	56.0	0.0373	64	2000	

■ 25kV Three cores (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	8.76	2.79	67.4	0.635	64	4500	150
38		7.1	8.76	2.79	68.9	0.497	64	4500	
50		8.2	8.76	3.56	72.8	0.386	64	4000	
60		9.1	8.76	3.56	74.8	0.309	64	3800	
80		10.5	8.76	3.56	77.8	0.234	64	3500	
100		11.8	8.76	3.56	80.6	0.184	64	3500	
125		13.2	8.76	3.56	83.6	0.147	64	3500	
150		14.7	8.76	3.56	86.8	0.120	64	3200	
200		16.6	8.76	3.56	90.9	0.0940	64	2800	
250		18.9	8.76	3.56	97.1	0.0736	64	2800	
325		21.3	8.76	3.56	102.8	0.0576	64	2400	

XLPE-LSFH Anti-Rat and Termite Power Cable

■ 600V Single core

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.2	1.2	0.76	0.38	3.70	15.8	3.5	2500	300
---	1/1.6	1.6	0.76	0.38	4.10	8.92	3.5	2500	
---	1/2.0	2.0	0.76	0.38	4.50	5.65	3.5	2000	
2	7/0.6	1.8	0.76	0.38	4.30	9.24	3.5	2500	
3.5	7/0.8	2.4	0.76	0.38	4.90	5.20	3.5	2000	
5.5	7/1.0	3.0	0.76	0.38	5.50	3.33	3.5	2000	
8	7/1.2	3.6	1.14	0.38	7.00	2.31	5.5	1500	
14	Circular compacted	4.4	1.14	0.76	8.50	1.30	5.5	1500	
22		5.5	1.14	0.76	9.63	0.824	5.5	1500	
30		6.4	1.14	0.76	10.5	0.623	5.5	1000	
38		7.1	1.40	0.76	11.7	0.487	7.0	1000	
50		8.2	1.40	1.14	13.7	0.378	7.0	1000	
60		9.1	1.40	1.14	14.6	0.303	7.0	1000	
80		10.5	1.40	1.14	16.0	0.229	7.0	1000	
100		11.8	1.40	1.14	17.3	0.180	7.0	800	
125		13.2	1.65	1.65	20.4	0.144	8.0	800	
150		14.7	1.65	1.65	21.9	0.118	8.0	800	
200		16.6	1.65	1.65	23.8	0.0922	8.0	800	200
250		18.9	1.65	1.65	26.1	0.0722	8.0	600	
325		21.3	2.03	1.65	29.2	0.0565	10.0	600	
400		24.0	2.03	1.65	31.9	0.0454	10.0	600	
500	Circular compacted	26.7	2.03	1.65	34.6	0.0373	10.0	600	150
600		30.2	2.41	2.41	40.6	0.0304	10.0	600	

XLPE-LSFH Anti-Rat and Termite Power Cable

■ 600V Two cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.2	1.2	0.76	1.14	9.0	16.1	3.5	2500	300
---	1/1.6	1.6	0.76	1.14	9.8	9.10	3.5	2500	
---	1/2.0	2.0	0.76	1.14	10.6	5.76	3.5	2000	
2	7/0.6	1.8	0.76	1.14	9.7	9.42	3.5	2500	
3.5	7/0.8	2.4	0.76	1.14	10.9	5.30	3.5	2000	
5.5	7/1.0	3.0	0.76	1.14	12.1	3.40	3.5	2000	
8	7/1.2	3.6	1.14	1.52	15.9	2.36	5.5	1500	
14	Circular compacted	4.4	1.14	1.52	17.5	1.33	5.5	1500	
22		5.5	1.14	1.52	19.7	0.840	5.5	1500	
30		6.4	1.14	2.03	22.5	0.635	5.5	1000	
38		7.1	1.40	2.03	24.9	0.497	7.0	1000	
50		8.2	1.40	2.03	27.1	0.386	7.0	1000	
60		9.1	1.40	2.03	28.9	0.309	7.0	1000	
80		10.5	1.40	2.03	31.7	0.234	7.0	1000	
100		11.8	1.40	2.03	34.3	0.184	7.0	800	
125		13.2	1.65	2.03	38.3	0.147	8.0	800	
150		14.7	1.65	2.03	41.3	0.120	8.0	800	
200		16.6	1.65	2.79	46.8	0.0940	8.0	800	
250		18.9	1.65	2.79	51.3	0.0736	8.0	600	200
325		21.3	2.03	2.79	57.6	0.0576	10.0	600	

XLPE-LSFH Anti-Rat and Termite Power Cable

600V Three cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.2	1.2	0.76	1.14	9.43	16.1	3.5	2500	300
---	1/1.6	1.6	0.76	1.14	10.3	9.10	3.5	2500	
---	1/2.0	2.0	0.76	1.14	11.2	5.76	3.5	2000	
2	7/0.6	1.8	0.76	1.14	10.2	9.42	3.5	2500	
3.5	7/0.8	2.4	0.76	1.14	11.5	5.30	3.5	2000	
5.5	7/1.0	3.0	0.76	1.14	12.8	3.40	3.5	2000	
8	7/1.2	3.6	1.14	1.52	16.8	2.36	5.5	1500	
14	Circular compacted	4.4	1.14	1.52	18.5	1.33	5.5	1500	
22		5.5	1.14	2.03	22.0	0.840	5.5	1500	
30		6.4	1.14	2.03	23.9	0.635	5.5	1000	
38		7.1	1.40	2.03	26.4	0.497	7.0	1000	
50		8.2	1.40	2.03	28.8	0.386	7.0	1000	
60		9.1	1.40	2.03	30.8	0.309	7.0	1000	
80		10.5	1.40	2.03	33.8	0.234	7.0	1000	
100		11.8	1.40	2.03	36.6	0.184	7.0	800	
125		13.2	1.65	2.03	40.9	0.147	8.0	800	
150		14.7	1.65	2.79	45.8	0.120	8.0	800	
200		16.6	1.65	2.79	49.9	0.0940	8.0	800	200
250		18.9	1.65	2.79	54.8	0.0736	8.0	600	
325		21.3	2.03	2.79	61.5	0.0576	10.0	600	

XLPE-LSFH Anti-Rat and Termite Power Cable

■ 600V Four cores

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5min	MΩ-km	m
---	1/1.2	1.2	0.76	1.14	10.2	16.1	3.5	2500	300
---	1/1.6	1.6	0.76	1.14	11.1	9.10	3.5	2500	
---	1/2.0	2.0	0.76	1.14	12.1	5.76	3.5	2000	
2	7/0.6	1.8	0.76	1.14	11.1	9.42	3.5	2500	
3.5	7/0.8	2.4	0.76	1.14	12.5	5.30	3.5	2000	
5.5	7/1.0	3.0	0.76	1.52	14.8	3.40	3.5	2000	
8	7/1.2	3.6	1.14	1.52	18.4	2.36	5.5	1500	
14	Circular compacted	4.4	1.14	1.52	20.3	1.33	5.5	1500	
22		5.5	1.14	2.03	24.1	0.840	5.5	1500	
30		6.4	1.14	2.03	27.4	0.635	5.5	1000	
38		7.1	1.40	2.03	29.1	0.497	7.0	1000	
50		8.2	1.40	2.03	31.7	0.386	7.0	1000	
60		9.1	1.40	2.03	33.9	0.309	7.0	1000	
80		10.5	1.40	2.03	37.3	0.234	7.0	1000	
100		11.8	1.40	2.79	42.1	0.184	7.0	800	
125		13.2	1.65	2.79	46.9	0.147	8.0	800	
150		14.7	1.65	2.79	50.6	0.120	8.0	800	200
200		16.6	1.65	2.79	55.1	0.0940	8.0	800	
250		18.9	1.65	2.79	60.6	0.0736	8.0	600	
325		21.3	2.03	3.56	69.8	0.0576	10.0	600	

XLPE-LSFH Anti-Rat and Termite Power Cable

■ 25kV Single core (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	kg/km	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	6.6	2.03	28.1	0.623	52	3600	300
38		7.1	6.6	2.03	28.8	0.487	52	3600	
50		8.2	6.6	2.03	29.9	0.378	52	3000	
60		9.1	6.6	2.03	30.8	0.303	52	3000	
80		10.5	6.6	2.03	32.8	0.229	52	3000	200
100		11.8	6.6	2.03	34.1	0.180	52	2800	
125		13.2	6.6	2.03	35.5	0.144	52	2000	
150		14.7	6.6	2.03	37.0	0.118	52	2000	
200		16.6	6.6	2.03	38.9	0.0922	52	2000	
250		18.9	6.6	2.03	41.2	0.0722	52	1800	
325		21.3	6.6	2.79	45.5	0.0565	52	1500	
400		24.0	6.6	2.79	49.5	0.0454	52	1500	150
500		26.7	6.6	2.79	52.2	0.0373	52	1500	

■ 25kV Three core (For neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard Single length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	6.6	2.79	56.9	0.635	52	3600	200
38		7.1	6.6	2.79	58.4	0.497	52	3600	
50		8.2	6.6	2.79	60.8	0.386	52	3000	
60		9.1	6.6	2.79	62.8	0.309	52	3000	
80		10.5	6.6	2.79	67.1	0.234	52	3000	150
100		11.8	6.6	2.79	69.9	0.184	52	2800	
125		13.2	6.6	3.56	74.5	0.147	52	2000	
150		14.7	6.6	3.56	77.7	0.120	52	2000	
200		16.6	6.6	3.56	81.8	0.0940	52	2000	
250		18.9	6.6	3.56	86.7	0.0736	52	1800	
325		21.3	6.6	3.56	92.4	0.0576	52	1500	

XLPE-LSFH Anti-Rat and Termite Power Cable

■ 25kV Single core (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	8.76	2.03	32.9	0.623	64	4500	200
38		7.1	8.76	2.03	33.6	0.487	64	4500	
50		8.2	8.76	2.03	34.7	0.378	64	4000	
60		9.1	8.76	2.03	35.6	0.303	64	3800	
80		10.5	8.76	2.03	37.0	0.229	64	3500	
100		11.8	8.76	2.03	38.3	0.180	64	3500	150
125		13.2	8.76	2.03	39.7	0.144	64	3500	
150		14.7	8.76	2.03	41.2	0.118	64	3200	
200		16.6	8.76	2.79	44.8	0.0922	64	2800	
250		18.9	8.76	2.79	47.7	0.0722	64	2800	
325		21.3	8.76	2.79	50.3	0.0565	64	2400	
400		24.0	8.76	2.79	53.7	0.0454	64	2000	
500		26.7	8.76	2.79	56.4	0.0373	64	2000	

■ 25kV Three cores (For non-neutral earthing system)

Nominal Cross-sectional Area	Conductor		Thickness of Insulation (Avg.)	Thickness of Sheath (Avg.)	Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (20±15°C)	Standard length (Ref.)
	Construction	Outer Diameter (Approx.)							
mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV/5 min	MΩ-km	m
30	Circular compacted	6.4	8.76	2.79	67.3	0.635	64	4500	150
38		7.1	8.76	2.79	68.8	0.497	64	4500	
50		8.2	8.76	3.56	71.2	0.386	64	4000	
60		9.1	8.76	3.56	73.4	0.309	64	3800	
80		10.5	8.76	3.56	77.7	0.234	64	3500	
100		11.8	8.76	3.56	80.5	0.184	64	3500	
125		13.2	8.76	3.56	83.5	0.147	64	3500	
150		14.7	8.76	3.56	86.8	0.120	64	3200	
200		16.6	8.76	3.56	90.9	0.0940	64	2800	
250		18.9	8.76	3.56	97.0	0.0736	64	2800	
325		21.3	8.76	3.56	102.7	0.0576	64	2400	

PV Anti-Rat and Termite Cable

■ TUV 2 PfG PV Cable D.C. 1.8kV

Conductor		Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance	
Nominal Cross-sectional Area	Outer Diameter (Approx.)				20°C	90°C
mm ²	mm	mm	Ω/km	kV/5min	Ω·cm	Ω·cm
1.5	1.50	4.90	13.7	6.5	10 ¹⁴	10 ¹¹
2.5	2.00	5.40	8.21	6.5	10 ¹⁴	10 ¹¹
4	2.50	5.90	5.09	6.5	10 ¹⁴	10 ¹¹
6	3.00	6.50	3.39	6.5	10 ¹⁴	10 ¹¹
10	4.50	8.20	1.95	6.5	10 ¹⁴	10 ¹¹
16	5.80	9.70	1.24	6.5	10 ¹⁴	10 ¹¹

■ TUV EN PV Cable D.C. 1.5kV

Conductor		Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance	
Nominal Cross-sectional Area	Outer Diameter (Approx.)				20°C	90°C
mm ²	mm	mm	Ω/km	kV/5min	MΩ·km	MΩ·km
1.5	1.60	5.00	13.7	6.5	860	0.86
2.5	2.10	5.50	8.21	6.5	690	0.69
4	2.50	5.90	5.09	6.5	580	0.58
6	3.30	6.70	3.39	6.5	500	0.50
10	4.50	7.90	1.95	6.5	420	0.42
16	5.80	9.40	1.24	6.5	340	0.34
25	7.00	11.20	0.795	6.5	340	0.34
35	8.30	12.70	0.565	6.5	290	0.29
50	10.30	15.10	0.393	6.5	270	0.27
70	12.50	17.50	0.277	6.5	250	0.25
95	14.70	19.90	0.210	6.5	220	0.22
120	16.00	21.40	0.164	6.5	210	0.21
150	18.00	24.00	0.132	6.5	210	0.21
185	20.00	27.00	0.108	6.5	200	0.20
240	23.30	30.70	0.0817	6.5	200	0.20

■ TUV IEC PV Cable D.C. 1.5kV

Conductor		Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance	
Nominal Cross-sectional Area	Outer Diameter (Approx.)				20°C	90°C
mm ²	mm	mm	Ω/km	kV/5min	MΩ·km	MΩ·km
1.5	1.60	5.00	13.7	6.5	1050	1.05
2.5	2.10	5.50	8.21	6.5	862	0.862
4	2.50	5.90	5.09	6.5	709	0.709
6	3.30	6.70	3.39	6.5	610	0.610
10	4.50	7.90	1.95	6.5	489	0.489
16	5.80	9.40	1.24	6.5	393	0.393
25	7.00	11.20	0.795	6.5	395	0.395
35	8.30	12.70	0.565	6.5	335	0.335
50	10.30	15.10	0.393	6.5	314	0.314
70	12.50	17.50	0.277	6.5	291	0.291
95	14.70	19.90	0.210	6.5	258	0.258
120	16.00	21.40	0.164	6.5	249	0.249
150	18.00	24.00	0.132	6.5	260	0.260
185	20.00	27.00	0.108	6.5	268	0.268
240	23.30	30.70	0.0817	6.5	249	0.249
300	26.00	33.80	0.0654	6.5	237	0.237

■ UL PV Wire 1000V/2000V

Conductor		Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (15°C)
Nominal Cross-sectional Area	Outer Diameter (Approx.)				
mm ²	mm	mm	Ω/km	kV/1min	MΩ·km
1.5	1.60	6.50	13.7	6.0	1400
2.5	2.10	7.00	8.21	6.0	1180
4	2.60	7.50	5.09	6.0	1020
6	3.30	8.50	3.39	7.5	900
10	4.50	9.90	1.95	7.5	770
16	5.80	11.20	1.24	7.5	630
25	7.00	12.40	0.795	7.5	540
35	8.30	14.80	0.565	9.0	570
50	10.30	16.80	0.393	9.0	490
70	12.50	19.00	0.277	9.0	420
95	14.70	21.20	0.210	9.0	360

Conductor		Overall Diameter (Approx.)	Max. Conductor Resistance (20°C)	A.C. Test Voltage	Min. Insulation Resistance (15°C)
Nominal Cross-sectional Area	Outer Diameter (Approx.)				
AWG	mm	mm	Ω/km	kV/1min	MΩ·km
18	1.18	6.08	23.4	6.0	1740
16	1.50	6.40	14.7	6.0	1510
14	1.88	96.78	9.25	6.0	1310
12	2.37	7.27	5.82	6.0	1130
10	3.38	8.28	3.66	6.0	950
9	3.81	9.21	2.96	7.5	1010
8	4.32	9.72	2.35	7.5	910
6	5.31	10.71	1.43	7.5	770
4	6.87	12.27	0.90	7.5	640
3	7.68	13.08	0.713	7.5	590
2	8.49	13.89	0.566	7.5	530
1	9.69	16.19	0.449	9.0	590
1/0	11.05	17.55	0.359	9.0	530
2/0	12.55	19.05	0.285	9.0	490
3/0	13.85	20.35	0.225	9.0	440
4/0	15.65	22.15	0.180	9.0	400