Application

The BS 6622 6.35/11kV XLPE Insulated Armoured Cable is designed for power networks, suitable for underground installations and cable ducting. It is particularly well-suited for direct burial applications, providing reliable power transmission in various environments.

Performance

Electrical Performance: U_0/U: 6.35/11 (12)kV
Test Voltage (AC): 12kV (CU)
Mechanical Performance:
Minimum Bending Radius:
Single Core: 15x overall diameter
Multi Core: 12 x overall diameter
Single Core (adjacent to joint or termination): 12 x overall diameter
Three Core (adjacent to joint or termination): 10 x overall diameter
Terminal Performance:
Maximum Service Temperature: 90℃
Maximum Short-Circuit Temperature: 250℃ (Max. 5s)
Minimum Service Temperature: -10℃
Fire Performance:
Flame Retardant according to IEC/EN 60332-1-2 Standard

Construction

Conductor: Class 2 Copper or Aluminium Conductors to BS EN60228
Conductor Screen: Semi-conductive XLPE (Cross-Linked Polyethylene)
Insulation: XLPE (Cross-Linked Polyethylene)
Insulation Screen: Semi-conductive XLPE (Cross-Linked Polyethylene)
Metallic Screen: Concentric copper wires or copper tape
Separator: Binding tape
Inner Sheath: PVC (Polyvinyl Chloride)
Armour:
Single Core: AWA (Aluminium Wire)
Multi-core: SWA (Galvanised Steel Wire)
Sheath: PVC (Polyvinyl Chloride) or PE (Polyethylene)
Sheath Colour:
1 Core: Black
3 Core: Brown, Black & Grey

Specification

-BS 6622, IEC/EN 60228, IEC 60502-2 Standard
-BS EN / IEC 60332-1 Flame Propagation

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TUV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

Single Core – Class 2 Copper Conductor, XLPE Insulated, Copper Taped Screen, PVC (PE) Sheathed.									
Nominal Area of Conductor	Insulation Thickness (Min)	Outer Sheath Thickness	Overall Dia. (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)	Inductance	Reactance @ 50Hz*
mm²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km	Ω/Km
1 x 50	3.4	1.7	23	860	460	0.387	0.494	0.405	0.127
1 x 70	3.4	1.7	25	1100	500	0.268	0.342	0.379	0.119
1 x 95	3.4	1.8	27	1390	540	0.193	0.247	0.36	0.113
1 x 120	3.4	1.8	29	1650	580	0.153	0.196	0.345	0.108
1 x 150	3.4	1.9	30	1940	600	0.124	0.159	0.337	0.106
1 x 185	3.4	1.9	32	2310	640	0.0991	0.128	0.328	0.103
1 x 240	3.4	2	34	2900	680	0.0754	0.0981	0.312	0.098
1 x 300	3.4	2.1	36	3520	720	0.0601	0.0792	0.301	0.0946
1 x 400	3.4	2.2	40	4370	800	0.047	0.0634	0.292	0.0917
1 x 500	3.4	2.3	43	5450	860	0.0366	0.0511	0.282	0.0886
1 x 630	3.4	2.4	47	6850	940	0.0283	0.0418	0.275	0.0864
1 x 800	3.4	2.5	51	8950	1020	0.0221	0.0351	0.269	0.0845
1 x 1000	3.4	2.6	56	10590	1120	0.0176	0.0304	0.265	0.0833

Nominal Area of Conductor	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)*	Continuous Current Carrying Capacity (Ducts)*	Continuous Current Carrying Capacity (Air)*	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	μ/km	A/km	A	A	A	kA	kA
1 x 50	0.51	0.26	0.52	220	225	250	7.2	1.3
1 x 70	0.36	0.29	0.58	270	270	310	10.0	1.5
1 x 95	0.27	0.33	0.66	321	320	375	13.6	1.6
1 x 120	0.22	0.37	0.74	364	360	430	17.2	1.7
1 x 150	0.19	0.39	0.78	410	400	490	21.5	1.8
1 x 185	0.16	0.42	0.84	460	440	565	26.5	1.9
1 x 240	0.14	0.47	0.94	530	505	660	34.3	2.1
1 x 300	0.12	0.52	1.04	600	560	760	42.9	2.3
1 x 400	0.11	0.59	1.18	680	610	880	57.2	2.5
1 x 500	0.10	0.65	1.30	750	680	1000	71.5	2.8
1 x 630	0.10	0.72	1.44	838	753	1140	90.1	3.0
1 x 800	0.09	0.8	1.60	928	840	1313	>100	3.3
1 x 1000	0.09	0.89	1.78	1003	913	1423	>100	3.6

Technical Parameters

Single Core – Class 2 Copper Conductor, XLPE Insulated, Copper Wire Screen, PVC (PE) Sheathed.									
Nominal Area of Conductor	Insulation Thickness (Min)	Outer Sheath Thickness	Overall Dia. (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)	Inductance	Reactance @ 50Hz*
mm²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km	Ω/Km
1 x 50	3.40	1.70	25.00	1160	500	0.387	0.494	0.416	0.131
1 x 70	3.40	1.70	27.00	1390	540	0.268	0.342	0.388	0.122
1 x 95	3.40	1.80	29.00	1680	580	0.193	0.247	0.368	0.116
1 x 120	3.40	1.80	30.00	1940	600	0.153	0.196	0.352	0.111
1 x 150	3.40	1.90	32.00	2220	640	0.124	0.159	0.345	0.108
1 x 185	3.40	1.90	33.00	2580	660	0.0991	0.128	0.333	0.105
1 x 240	3.40	2.00	36.00	3170	720	0.0754	0.0981	0.321	0.101
1 x 300	3.40	2.10	38.00	3780	760	0.0601	0.0792	0.311	0.0977
1 x 400	3.40	2.20	42.00	4620	840	0.047	0.0634	0.299	0.0939
1 x 500	3.40	2.30	45.00	5690	900	0.0366	0.0511	0.290	0.0911
1 x 630	3.40	2.40	49.00	7080	980	0.0283	0.0415	0.281	0.0883
1 x 800	3.40	2.50	53.00	8810	1060	0.0221	0.0348	0.276	0.0867
1 x 1000	3.40	2.60	58.00	10800	1160	0.0176	0.0301	0.269	0.0845

Nominal Area of Conductor	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)*	Continuous Current Carrying Capacity (Ducts)*	Continuous Current Carrying Capacity (Air)*	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	μ/km	A/km	A	A	A	kA	kA
1 x 50	0.51	0.26	0.51	220	225	250	7.2	4.5
1 x 70	0.36	0.29	0.58	270	270	310	10.0	4.5
1 x 95	0.27	0.33	0.66	321	320	375	13.6	4.5
1 x 120	0.23	0.37	0.74	364	360	430	17.2	4.5
1 x 150	0.19	0.39	0.78	410	400	490	21.5	4.5
1 x 185	0.17	0.42	0.84	460	440	565	26.5	4.5
1 x 240	0.14	0.47	0.94	530	505	660	34.3	4.5
1 x 300	0.13	0.52	1.04	600	560	760	42.9	4.5
1 x 400	0.11	0.59	1.18	680	610	880	57.2	4.5
1 x 500	0.10	0.65	1.30	750	680	1000	71.5	4.5
1 x 630	0.10	0.72	1.44	838	753	1140	90.1	4.5
1 x 800	0.09	0.8	1.60	928	840	1313	>100	4.5
1 x 1000	0.09	0.89	1.78	1003	913	1423	>100	4.5

Technical Parameters

Single Core – Class 2 Copper Conductor, XLPE Insulated, Copper Taped Screen, PVC (PE) Bedding, Galvanised Steel Wire Armour, PVC (PE) Sheathed.										
Nominal Area of Conductor	Insulation Thickness (Min)	Inner Sheath Thickness	Aluminium Wire Armour Diameter	Outer Sheath Thickness	Overall Diameter (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)	Inductance
mm²	mm	mm	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km
1 x 50	3.40	1.20	1.60	1.80	29.00	1220	435	0.387	0.494	0.452
1 x 70	3.40	1.20	1.60	1.90	31.00	1500	465	0.268	0.342	0.422
1 x 95	3.40	1.20	1.60	1.90	33.00	1800	495	0.193	0.247	0.403
1 x 120	3.40	1.20	1.60	2.00	35.00	2110	525	0.153	0.196	0.386
1 x 150	3.40	1.20	2.00	2.10	37.00	2490	555	0.124	0.159	0.381
1 x 185	3.40	1.20	2.00	2.10	38.00	2900	570	0.0991	0.128	0.365
1 x 240	3.40	1.20	2.00	2.20	41.00	3530	615	0.0754	0.0978	0.352
1 x 300	3.40	1.20	2.00	2.20	43.00	4160	645	0.0601	0.0788	0.340
1 x 400	3.40	1.20	2.00	2.40	47.00	5090	705	0.047	0.0628	0.328
1 x 500	3.40	1.30	2.50	2.50	51.00	6400	765	0.0366	0.0503	0.320
1 x 630	3.40	1.40	2.50	2.60	55.00	7900	825	0.0283	0.0408	0.310
1 x 800	3.40	1.40	2.50	2.70	60.00	9720	900	0.0221	0.034	0.305
1 x 1000	3.40	1.50	2.50	2.90	64.00	11870	960	0.0176	0.0292	0.296

Nominal Area of Conductor	Reactance @ 50Hz*	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)	Continuous Current Carrying Capacity (Ducts)	Continuous Current Carrying Capacity (Air)	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating of Copper Tape (Max) 80°C - 200°C for 1.0 sec	Earth Fault Short Circuit Rating of Armour (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	Ω/km	μ/km	A/km	A	A	A	kA	kA	kA
1 x 50	0.142	0.51	0.26	0.51	221	220	251	7.2	0.7	6.5
1 x 70	0.133	0.37	0.29	0.58	270	261	310	10.0	0.7	7.0
1 x 95	0.127	0.28	0.33	0.66	321	306	376	13.6	0.8	7.5
1 x 120	0.121	0.23	0.37	0.74	363	341	431	17.2	0.9	8.0
1 x 150	0.12	0.20	0.39	0.78	410	375	490	21.5	0.9	10.4
1 x 185	0.115	0.17	0.42	0.84	455	410	562	26.5	1.0	11.2
1 x 240	0.111	0.15	0.47	0.94	520	460	650	34.3	1.1	12.0
1 x 300	0.107	0.13	0.52	1.04	580	500	740	42.9	1.1	12.8
1 x 400	0.103	0.12	0.59	1.18	650	531	840	57.2	1.3	13.9
1 x 500	0.101	0.11	0.65	1.30	710	570	931	71.5	1.4	19.2
1 x 630	0.0974	0.11	0.72	1.44	761	620	1040	90.1	1.5	20.9
1 x 800	0.0958	0.10	0.8	1.60	812	670	1163	>100	1.7	22.5
1 x 1000	0.093	0.10	0.89	1.78	868	700	1251	>100	1.8	24.6

Technical Parameters

Three Core – Class 2 Copper Conductor, XLPE Insulated, Copper Taped Screen, PVC (PE) Bedding, Galvanised Steel Wire Armour, PVC (PE) Sheathed.										
Nominal Area of Conductor	Insulation Thickness (Min)	Inner Sheath Thickness	Galvanised Steel Wire Armour Diameter	Outer Sheath Thickness	Overall Diameter (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)	Inductance
mm²	mm	mm	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km
3 x 16	3.40	1.20	2.00	2.30	44.00	3130	528	1.15	1.47	0.443
3 x 25	3.40	1.30	2.50	2.40	49.00	4070	588	0.727	0.927	0.410
3 x 35	3.40	1.30	2.50	2.50	52.00	4590	624	0.524	0.668	0.376
3 x 50	3.40	1.40	2.50	2.60	54.00	5180	648	0.387	0.494	0.364
3 x 70	3.40	1.40	2.50	2.70	58.00	6120	696	0.268	0.342	0.341
3 x 95	3.40	1.50	2.50	2.80	63.00	7310	756	0.193	0.247	0.323
3 x 120	3.40	1.60	2.50	3.00	67.00	8410	804	0.153	0.196	0.309
3 x 150	3.40	1.60	2.50	3.10	70.00	9420	840	0.124	0.159	0.303
3 x 185	3.40	1.70	2.50	3.20	74.00	10860	888	0.0991	0.128	0.294
3 x 240	3.40	1.80	3.15	3.40	81.00	13990	972	0.0754	0.1	0.283
3 x 300	3.40	1.90	3.15	3.60	86.00	16290	1032	0.0601	0.0819	0.275
3 x 400	3.40	2.00	3.15	3.80	94.00	19500	1128	0.047	0.0667	0.265

Nominal Area of Conductor	Reactance @ 50Hz*	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)	Continuous Current Carrying Capacity (Ducts)	Continuous Current Carrying Capacity (Air)	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating of Copper Tape (Max) 80°C - 200°C for 1.0 sec	Earth Fault Short Circuit Rating of Armour (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	Ω/km	μ/km	A/km	A	A	A	kA	kA	kA
3 x 16	0.139	1.48	0.18	0.36	119	102	126	2.3	1.1	2.3
3 x 25	0.129	0.94	0.21	0.41	152	131	163	3.6	1.2	3.6
3 x 35	0.118	0.68	0.24	0.48	181	156	197	5.0	1.3	5.0
3 x 50	0.114	0.51	0.26	0.52	213	182	236	7.2	1.3	7.2
3 x 70	0.107	0.36	0.29	0.58	260	224	291	10.0	1.5	10.0
3 x 95	0.101	0.27	0.33	0.66	309	263	353	13.6	1.6	12.9
3 x 120	0.0971	0.22	0.37	0.74	349	306	402	17.2	1.7	13.8
3 x 150	0.0952	0.19	0.39	0.78	390	342	454	21.5	1.8	14.5
3 x 185	0.0924	0.16	0.42	0.84	436	379	515	26.5	1.9	15.4
3 x 240	0.0889	0.13	0.47	0.94	499	438	600	34.3	2.1	21.2
3 x 300	0.0864	0.12	0.52	1.04	553	481	676	42.9	2.3	22.6
3 x 400	0.0833	0.11	0.59	1.18	619	552	768	57.2	2.5	24.7

Technical Parameters

Single Core – Class 2 Aluminium Conductor, XLPE Insulated, Copper Taped Screen, PVC (PE) Sheathed.									
Nominal Area of Conductor	Insulation Thickness (Min)	Outer Sheath Thickness	Overall Diameter (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)	Inductance	Reactance @ 50Hz*
mm²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km	Ω/km
1 x 50	3.40	1.70	23.00	590	460	0.641	0.822	0.395	0.1241
1 x 70	3.40	1.70	25.00	690	500	0.443	0.568	0.374	0.1175
1 x 95	3.40	1.80	27.00	820	540	0.320	0.411	0.355	0.1115
1 x 120	3.40	1.80	29.00	930	580	0.253	0.325	0.345	0.1084
1 x 150	3.40	1.90	30.00	1050	600	0.206	0.265	0.337	0.1059
1 x 185	3.40	1.90	32.00	1210	640	0.164	0.211	0.322	0.1012
1 x 240	3.40	2.00	34.00	1440	680	0.125	0.161	0.309	0.0971
1 x 300	3.40	2.10	36.00	1690	720	0.100	0.13	0.300	0.0943
1 x 400	3.40	2.20	40.00	2020	800	0.0778	0.102	0.291	0.0914
1 x 500	3.40	2.30	43.00	2420	860	0.0605	0.0804	0.282	0.0886
1 x 630	3.40	2.40	47.00	2940	940	0.0469	0.0639	0.275	0.0864
1 x 800	3.40	2.50	54.00	3670	1080	0.0367	0.052	0.265	0.0833
1 x 1000	3.40	2.60	59.00	4410	1180	0.0291	0.0435	0.260	0.0817

Nominal Area of Conductor	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)*	Continuous Current Carrying Capacity (Ducts)*	Continuous Current Carrying Capacity (Air)*	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	μ/km	A/km	A	A	A	kA	kA
1 x 50	0.83	0.26	0.52	172	175	195	4.7	1.4
1 x 70	0.58	0.3	0.60	210	215	240	6.6	1.5
1 x 95	0.43	0.34	0.68	250	255	300	8.9	1.6
1 x 120	0.34	0.37	0.74	284	285	335	11.3	1.7
1 x 150	0.29	0.39	0.78	320	315	380	14.1	1.8
1 x 185	0.23	0.43	0.86	360	350	443	17.4	2.0
1 x 240	0.19	0.48	0.96	415	405	512	22.6	2.1
1 x 300	0.16	0.53	1.06	475	455	600	28.2	2.3
1 x 400	0.14	0.59	1.18	540	510	700	37.6	2.5
1 x 500	0.12	0.65	1.30	610	570	810	47.0	2.8
1 x 630	0.11	0.72	1.44	686	640	930	59.2	3.0
1 x 800	0.10	0.86	1.72	776	713	1096	75.2	3.5
1 x 1000	0.09	0.95	1.90	855	792	1211	94	3.8

Technical Parameters

Single Core – Class 2 Aluminium Conductor, XLPE Insulated, Copper Wire Screen, PVC (PE) Sheathed.									
Nominal Area of Conductor	Insulation Thickness (Min)	Outer Sheath Thickness	Overall Diameter (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	Inductance	Reactance @ 50Hz*	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)
mm²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km	Ω/km
1 x 50	3.40	1.70	25.00	890	500	0.641	0.822	0.409	0.1285
1 x 70	3.40	1.70	27.00	980	540	0.443	0.568	0.385	0.121
1 x 95	3.40	1.80	29.00	1110	580	0.32	0.411	0.365	0.1147
1 x 120	3.40	1.80	30.00	1210	600	0.253	0.325	0.352	0.1106
1 x 150	3.40	1.90	32.00	1330	640	0.206	0.265	0.345	0.1084
1 x 185	3.40	1.90	33.00	1480	680	0.164	0.211	0.330	0.1037
1 x 240	3.40	2.00	36.00	1700	720	0.125	0.161	0.320	0.1005
1 x 300	3.40	2.10	38.00	1950	780	0.1	0.13	0.308	0.0968
1 x 400	3.40	2.20	42.00	2270	840	0.0778	0.102	0.298	0.0936
1 x 500	3.40	2.30	45.00	2660	900	0.0605	0.0803	0.290	0.0911
1 x 630	3.40	2.40	49.00	3170	980	0.0469	0.0637	0.281	0.0883
1 x 800	3.40	2.50	56.00	3880	1120	0.0367	0.0518	0.271	0.0851
1 x 1000	3.40	2.60	61.00	4600	1220	0.0291	0.0432	0.264	0.0829

Nominal Area of Conductor	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)*	Continuous Current Carrying Capacity (Ducts)*	Continuous Current Carrying Capacity (Air)*	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	μ/km	A/Km	A	A	A	kA	kA
1 x 50	0.83	0.26	0.51	172	175	195	4.7	4.5
1 x 70	0.58	0.3	0.60	210	215	240	6.6	4.5
1 x 95	0.43	0.34	0.68	250	255	300	8.9	4.5
1 x 120	0.34	0.37	0.74	284	285	335	11.3	4.5
1 x 150	0.29	0.39	0.78	320	315	380	14.1	4.5
1 x 185	0.24	0.43	0.86	360	350	443	17.4	4.5
1 x 240	0.19	0.48	0.96	415	405	512	22.6	4.5
1 x 300	0.16	0.53	1.06	475	455	600	28.2	4.5
1 x 400	0.14	0.59	1.18	540	510	700	37.6	4.5
1 x 500	0.12	0.65	1.30	610	570	810	47.0	4.5
1 x 630	0.11	0.72	1.44	686	640	930	59.2	4.5
1 x 800	0.10	0.86	1.72	776	713	1096	75.2	4.5
1 x 1000	0.09	0.95	1.90	855	792	1211	94	4.5

Technical Parameters

Three Core – Class 2 Aluminium Conductor, XLPE Insulated, Copper Taped Screen, PVC (PE) Bedding, Galvanised Steel Wire Armour, PVC (PE) Sheathed.										
Nominal Area of Conductor	Insulation Thickness (Min)	Inner Sheath Thickness	Galvanised Steel Wire Armour Diameter	Outer Sheath Thickness	Overall Diameter (Nom)	Cable Weight (Nom)	Internal Bending Radius (Min)	D.C. Conductor Resistance @ 20°C (Max)	A.C. Conductor Resistance @ 90°C (Max)	Inductance
mm²	mm	mm	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	mH/km
3 x 16	3.40	1.20	2.00	2.30	44.00	2890	528	1.91	2.45	0.435
3 x 25	3.40	1.30	2.50	2.40	50.00	3620	600	1.20	1.54	0.404
3 x 35	3.40	1.30	2.50	2.50	52.00	3950	624	0.868	1.11	0.376
3 x 50	3.40	1.40	2.50	2.60	55.00	4400	660	0.641	0.822	0.358
3 x 70	3.40	1.40	2.50	2.70	59.00	4930	708	0.443	0.568	0.338
3 x 95	3.40	1.50	2.50	2.80	63.00	5600	756	0.32	0.411	0.320
3 x 120	3.40	1.60	2.50	3.00	67.00	6220	804	0.253	0.325	0.309
3 x 150	3.40	1.60	2.50	3.10	70.00	6710	840	0.206	0.265	0.303
3 x 185	3.40	1.70	2.50	3.20	75.00	7570	900	0.164	0.211	0.292
3 x 240	3.40	1.80	3.15	3.40	81.00	9560	972	0.125	0.163	0.283
3 x 300	3.40	1.90	3.15	3.60	87.00	10850	1044	0.10	0.131	0.272
3 x 400	3.40	2.00	3.15	3.80	94.00	12450	1128	0.0778	0.104	0.265

Nominal Area of Conductor	Reactance @ 50Hz*	Impedance @ 90°C & 50Hz	Capacitance (Max)	Charging Current	Continuous Current Carrying Capacity (Laid Direct)	Continuous Current Carrying Capacity (Ducts)	Continuous Current Carrying Capacity (Air)	Symmetrical Short Circuit Rating (Max) 90°C - 250°C for 1.0 sec	Earth Fault Short Circuit Rating of Copper Tape (Max) 80°C - 200°C for 1.0 sec	Earth Fault Short Circuit Rating of Armour (Max) 80°C - 200°C for 1.0 sec
mm²	Ω/km	Ω/km	μ/km	A/km	A	A	A	kA	kA	kA
3 x 16	0.1367	2.45	0.19	0.38	92	79	97	1.5	1.1	1.5
3 x 25	0.1269	1.55	0.22	0.44	118	101	127	2.4	1.2	2.4
3 x 35	0.1181	1.12	0.24	0.48	141	121	153	3.3	1.3	3.3
3 x 50	0.1125	0.83	0.26	0.52	166	141	183	4.7	1.4	4.7
3 x 70	0.1062	0.58	0.30	0.60	202	174	226	6.6	1.5	6.6
3 x 95	0.1005	0.42	0.34	0.68	241	205	274	8.9	1.6	8.9
3 x 120	0.0971	0.34	0.37	0.74	272	239	314	11.3	1.7	11.3
3 x 150	0.0952	0.28	0.39	0.78	304	267	354	14.1	1.8	14.1
3 x 185	0.0917	0.23	0.43	0.86	343	297	404	17.4	2.0	15.6
3 x 240	0.0889	0.19	0.48	0.96	395	347	473	22.6	2.1	21.2
3 x 300	0.0855	0.16	0.53	1.06	440	383	536	28.2	2.3	22.9
3 x 400	0.0833	0.13	0.59	1.18	500	446	618	37.6	2.5	25.1