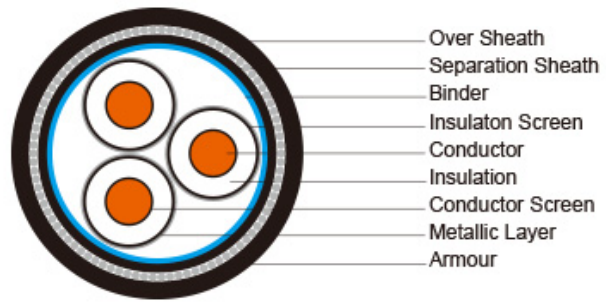


Three Core Cables to BS 6622



Application:

The three core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 3.6/6.6KV to 19/33KV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

Standards:

BS 6622

Conductor:

Plain annealed copper or aluminium complying with IEC 60228/BS 6360. Copper conductors shall be stranded (class 2) and aluminium conductors shall be either solid or stranded (class 2).

Conductor Screen:

Extruded layer of semi-conducting cross-linkable compound is applied over the conductor and shall cover the surface completely. The minimum thickness is 0.3mm and the maximum resistivity shall not exceed 500 Ohm-m at 90°C.

Insulation:

Insulation is of cross-linked polyethylene compound XLPE (GP8) conforming to BS 7655-1.3 or EPR (GP7), conforming to BS 7655-1.2.

Table 1. Insulation Thickness

Nom. Cross Section Area	Insulation Thickness at Nom. Voltage				
	3.8/6.6KV(Um=7.2 KV)	6.35/11KV(Um=12 KV)	8.7/15KV(Um=17.5 KV)	12.7/22KV(Um=24 KV)	19/33KV(Um=36KV)
mm ²	mm	mm	mm	mm	mm
70 – 185	2.5	3.4	4.5	5.5	8.0
240	2.6	3.4	4.5	5.5	8.0
300	2.8	3.4	4.5	5.5	8.0
400	3.0	3.4	4.5	5.5	8.0
Above 500	3.2	3.4	4.5	5.5	8.0

Insulation Screen: Extruded layer of semi-conducting cross-linkable compound is applied over the insulation. The extruded semi-conducting layer shall consist of bonded or cold strippable semi-conducting compound capable of removal for jointing or terminating. As an option, a semi-conducting tape may be applied over the extruded semi-conducting layer as a bedding for the metallic layer. The minimum thickness is 0.3 mm and the maximum resistivity is 500 Ohm-m at 90°C. The screen is tightly fitted to the insulation to exclude all air voids and can be easily hand stripped on site. **Inner**

Covering & Fillers: For cables with a collective metallic layer or cables with a metallic layer over each individual cores

with additional collective metallic layers, semi-conducting inner covering and fillers shall be applied over the laid up cores. The inner covering is made of non hygroscopic material, except if the cable is to be made longitudinally watertight. The inner covering shall be extruded or lapped. The approximate thickness of extruded inner coverings is given in Table 2:

Table 2. Approximate Thickness Of Extruded Inner Coverings

Fictitious Diameter Over Laid Up Cores		Approx. Thickness of Extruded Inner Covering
mm		mm
>	<	
35	45	1.0
25	35	1.2
35	45	1.4
45	60	1.6
60	80	1.8
80	-	2.0

*The approximate thickness of lapped inner coverings shall be 0.6mm.

Metallic Layer: The metallic layer shall be applied over each core or applied as a collective screen. The metallic screen shall consist of either copper tapes or a concentric layer of copper wires or a combination of tapes and wires. The metallic layer provides an earth fault current path, capable of withstanding fault current to earth of 1000A for one second at maximum temperature 160°C. Copper wires are applied over the conducting water blocking layer with a minimum diameter of 0.5mm. And over the copper wires, copper tape with minimum thickness of 0.1mm can be applied helically with overlap. Total cross section of copper wire screen is shown in table 3.

Table 3. Minimum Total Cross Section Of Copper Wire Screen & DC Resistance Of The Screen

Nominal Cross-Section Area of Cable	Minimum Cross-Section of Copper Wire Screen Area	DC Resistance of the Copper Wire Screen
mm ²	mm ²	mm
up to 120	16	1.06
150-300	25	0.72
400-630	35	0.51

Separation Sheath (for armoured cable): The separation sheath comprises a layer of extruded PVC, PE or LSZH. The nominal thickness is calculated by $0.02D_u + 0.6\text{mm}$ where

D_u is the fictitious diameter under the sheath in mm. The nominal separation sheath thickness shall not be less than 1.2mm.

Armour (for armoured cable): The armour consists of galvanized steel wire applied over the inner covering with diameter specified as in Table 4.

Table 4. Armour Wire Diameter

Fictitious Diameter Under the Armour	Armour Wire Diameter
mm	mm
>	<
	25
	1.6

25	35	2.0
35	60	2.5
60	-	3.15

Over Sheath: Overall sheath comprises a layer of extruded either PVC type 9 conforming to BS 7665-4.2 or MDPE type TS2 conforming to BS 7655-10.1; LSZH can be offered as an option. The oversheath is normally black in colour. When a DC voltage test is to be performed on the oversheath, a semi-conducting layer such as graphite coating shall be applied over the surface of the extruded oversheath. The nominal oversheath thickness is calculated by $0.035+D$ where D is the diameter immediately under the oversheath in mm. For cables with the oversheath not applied over the armour, the nominal oversheath thickness shall not be less than 1.4mm. And for cables with oversheath applied over the armour, the nominal oversheath thickness shall not be less than 1.8mm.

PHYSICAL PROPERTIES:

Operating Temperature: up to 90°C **Temperature Range:** -5°C (PVC sheath); -20°C (PE sheath) **Short Circuit**

Temperature: 250°C (short circuit duration up to 5 seconds) **Bending Radius:** 15 x OD

Table 5. Nominal /Operating /Test Voltages

Rated Voltage Uo/U	Operating Voltage (Um)	Testing Voltage (rms)
3.8/6.6KV	7.2KV	15KV
6.35/11KV	12KV	25.5KV
8.7/15KV	17.5KV	35KV
12.7/22KV	24KV	51KV
19/33KV	36KV	76KV

Three Core 3.8/6.6KV (Um=7.2KV) Dimensional Data

Nom · Cros s- Secti on Area	Nom. Insulation Thickness	Unarmoured Cables					Steel Wire Armoured Cables					Approx. Weight	
		Copper Tap e Scre en Area	Nom. Sheath Thickne ss	Appro x. Overa ll Diam eter	Approx. Weight		Copper Tap e Scre en Area	Nom. Bed ding Thicknes s	Nom. Armo ur Wire Diam eter	Nom. Sheath Thickne ss	Appro x. Overa ll Diam eter	CU	AL
					kg	AL							
mm2	mm	mm2	mm	mm	kg/km	mm2	mm	mm	mm	mm	kg / km		
25	2.5	16	2.1	37.7	220 5	17 40	3.4	1.2	2.0	2.2	44.5	389 0	346 5
35	2.5	16	2.3	41.2	269 0	20 10	3.6	1.2	2.5	2.3	46.8	442 0	373 0
50	2.5	16	2.5	44.9	334 0	23 50	3.8	1.3	2.5	2.5	51.5	564 0	469 0
70	2.5	16	2.6	48.0	405 0	27 30	4.3	1.3	2.5	2.6	55.0	657 0	524 0

95	2.5	16	2.7	51.7	500 0	31 80	4.7	1.4	2.5	2.7	58.9	776 0	589 0
120	2.5	16	2.8	54.7	589 0	35 90	5.0	1.5	2.5	2.8	62.1	881 0	651 0
150	2.5	25	2.9	58.4	696 0	41 60	5.3	1.5	2.5	2.9	65.8	101 10	731 0
185	2.5	25	3.0	61.9	816 0	46 50	5.8	1.6	2.5	3.0	69.5	115 20	796 0
240	2.6	25	3.2	68.1	102 10	55 30	6.3	1.7	2.5	3.2	75.9	139 20	914 0
300	2.8	25	3.5	73.6	123 80	66 70	7.0	1.8	3.15	3.5	83.1	174 00	116 20
400	3.0	35	3.7	83.8	161 90	84 30	7.7	2.0	3.15	3.7	93.0	219 00	139 80

Electrical Data

Nom. Cross-Section Area							Unarmoured Cables	Steel Wire Armoured Cables			Current Ratings					
	DC Resistance CU / AL	AC Resistance CU / AL	Short Circuit Rating of Conductor CU / AL 1 sec	Capacitance	Charging Current	Short Circuit Rating of Copper Wire Screen Per Core 1 sec	Short Circuit Rating of Copper Tape Screen Per Core 1 sec	Reactance	Inductance	C	A	C	A	C	A	
mm ²	μΩ/m	μΩ/m	kA	pF/m	mA/m	kA	kA	μΩ/m	nH/m	A		A		A		
25	727/1200	927/1538	3.6/2.3	272	0.33	2.6	0.4	113	370	140	115	125	95	145	115	
35	524/868	668/1113	5.0/3.2	301	0.36	2.6	0.5	108	350	170	135	150	115	175	140	
50	387/641	494/822	6.8/4.4	332	0.40	2.6	0.5	102	330	210	160	180	135	220	170	
70	268/443	343/568	9.8/6.3	383	0.46	2.6	0.6	97	310	255	195	215	165	270	210	

95	193/32 0	248/41 0	13.3/8. 5	432	0.52	2.6	0.6	92	290	30 0	23 0	25 5	20 0	33 0	25 0
120	153/25 3	196/32 5	17.2/1 1.0	474	0.57	2.6	0.7	89	280	34 0	26 5	29 0	22 5	37 5	29 5
150	124/20 6	159/26 5	21.2/1 3.5	511	0.61	4.3	0.7	87	280	38 0	29 5	33 0	25 5	43 0	33 0
185	99.1/16 4	128/21 1	26.6/1 7.0	562	0.67	4.3	0.8	86	270	43 0	33 5	37 0	29 0	49 0	38 5
240	75.4/12 5	98/161	34.9/2 2.3	602	0.72	4.3	0.9	83	260	49 0	38 0	42 5	33 5	57 0	45 0
300	60.1/10 0	80/130	43.8/2 8.0	622	0.75	4.3	1.0	82	260	54 0	43 5	47 0	37 5	65 0	51 0
400	47.0/77 .8	64/102	57.3/3 6.6	648	0.78	5.8	1.1	80	250	59 0	48 0	52 0	42 0	70 0	57 0

Three Core 6.35/11KV (Um=12KV) Dimensional Data

Nom. Cross-Section Area	Unarmoured Cables						Steel Wire Armoured Cables						
	Nom. Insulation Thickness	Copper Wire Screen Area	Nom. Sheath Thickness	Approx. Overall Diameter	Approx. Weight		Copper Tape Screen Area	Nom. Bedding Thickness	Nom. Armour Wire Diameter	Nom. Sheath Thickness	Approx. Overall Diameter	Approx. Weight	
					CU	AL						CU	AL
mm ²	mm	mm ²	mm	mm	kg/km		mm ²	mm	mm	mm	mm	kg / km	
25	3.4	16	2.3	42.8	260	212	3.8	1.3	2.5	2.4	50.0	493	440
35	3.4	16	2.3	45.3	300	232	4.1	1.3	2.5	2.5	52.3	538	470
50	3.4	16	2.4	48.5	363	269	4.4	1.4	2.5	2.6	55.7	621	526
70	3.4	16	2.5	52.0	444	311	4.7	1.4	2.5	2.7	59.2	720	587
95	3.4	16	2.7	56.0	544	362	5.2	1.5	2.5	2.8	63.2	842	655
120	3.4	16	2.8	59.4	637	402	5.5	1.6	2.5	3.0	67.0	958	719
150	3.4	25	2.9	62.7	743	463	5.8	1.6	2.5	3.1	70.3	1083	803
185	3.4	25	3.0	66.1	868	515	6.2	1.7	2.5	3.2	73.9	1229	872

240	3.4	25	3.1	71.7	10690	5990	6.8	1.8	3.15	3.4	81.2	15620	10790
300	3.4	25	3.3	76.4	12770	7050	7.3	1.9	3.15	3.6	86.1	18030	12240
400	3.4	35	3.5	85.1	16460	8680	8.0	2.0	3.15	3.8	95.0	22350	14350

Electrical Data

Nom. Cross-Section Area						Unarmoured Cables	Steel Wire Armoured Cables	Current Ratings							
	D C Resistance CU / AL	A C Resistance CU / AL	Short Circuit Rating of Conductor CU / AL 1 sec	Capacitance	Charging Current			Short Circuit Rating of Copper Wire Screen Per Core 1 sec	Short Circuit Rating of Copper Tape Screen Per Core 1 sec	Reactance	Inductance	Ground		Duct	
						C U	A L					C U	A L	C U	A L
mm ²	μΩ/m	μΩ/m	kA	pF/m	mA/m	kA	kA	μΩ/m	nH/m	A		A		A	
25	727/1200	927/1538	3.6/2.3	216	0.43	2.6	0.5	123	390	140	115	125	95	145	115
35	524/868	668/1113	5.0/3.2	237	0.47	2.6	0.6	115	370	170	135	150	115	175	140
50	387/641	494/822	6.8/4.4	260	0.52	2.6	0.6	109	350	210	160	180	135	220	170
70	268/443	343/568	9.8/6.3	298	0.60	2.6	0.7	103	330	255	195	215	165	270	210
95	193/320	248/410	13.3/8.5	334	0.67	2.6	0.7	99	310	300	230	255	200	330	250
120	153/253	196/325	17.2/11.0	365	0.73	2.6	0.8	96	310	340	265	290	225	375	295
150	124/206	159/265	21.2/13.5	392	0.78	4.3	0.8	93	300	380	295	330	255	430	330
185	99.1/164	128/211	26.6/17.0	430	0.86	4.3	0.9	90	290	430	335	370	290	490	385

240	75.4/12 5	98/161	34.9/2 2.3	476	0.95	4.3	0.9	87	280	49 0	38 0	42 5	33 5	57 0	45 0
300	60.1/10 0	80/130	43.8/2 8.0	524	1.05	4.3	1.0	85	270	54 0	43 5	47 0	37 5	65 0	51 0
400	47.0/77 .8	64/102	57.3/3 6.6	580	1.16	5.8	1.1	81	260	59 0	48 0	52 0	42 0	70 0	57 0

Three Core 8.7/15KV (Um=17.5KV) Dimensional Data

Nom. Cross-Section Area	Unarmoured Cables						Steel Wire Armoured Cables						
	Nom. Insulation Thickness	Copper Wire Screen Area	Nom. Sheath Thickness	Approx. Overall Diameter	Approx. Weight		Copper Tape Screen Area	Nom. Bedding Thickness	Nom. Armour Wire Diameter	Nom. Sheath Thickness	Approx. Overall Diameter	Approx. Weight	
					CU	AL						CU	AL
mm ²	mm	mm ²	mm	mm	kg/km		mm ²	mm	mm	mm	mm	kg / km	
25	4.5	16	2.4	48.4	300 0	242 0	4.4	1.4	2.5	2.6	55.2	560 0	510 0
35	4.5	16	2.5	50.4	345 0	267 0	4.7	1.4	2.5	2.7	57.6	613 0	544 0
50	4.5	16	2.6	53.7	414 0	319 0	4.9	1.5	2.5	2.8	61.1	701 0	606 0
70	4.5	16	2.7	57.2	498 0	364 0	5.3	1.5	2.5	2.9	64.6	803 0	670 0
95	4.5	16	2.8	60.6	590 0	405 0	5.7	1.6	2.5	3.0	68.2	916 0	733 0
120	4.5	16	2.9	63.9	687 0	456 0	6.1	1.7	2.5	3.1	71.7	1034 0	803 0
150	4.5	25	3.0	67.9	803 0	523 0	6.4	1.7	2.5	3.2	75.4	1173 0	893 0
185	4.5	25	3.1	71.1	931 0	577 0	6.8	1.8	3.15	3.4	80.6	1417 0	1057 0
240	4.5	25	3.3	76.9	1139 0	668 0	7.4	1.9	3.15	3.6	86.6	1667 0	1181 0
300	4.5	25	3.5	81.6	1351 0	779 0	7.9	2.0	3.15	3.7	91.3	1914 0	1334 0
400	4.5	35	3.7	89.9	1713 0	934 0	8.5	2.1	3.15	4.0	100.0	2336 0	1541 0

Electrical Data

Nom. Cross-Section Area						Unarmoured Cables	Steel Wire Armoured Cables			Current Ratings					
	DC Resistance CU / AL	AC Resistance CU / AL	Short Circuit Rating of Conductor CU / AL 1 sec	Capacitance	Charging Current	Short Circuit Rating of Copper Wire Screen Per Core 1 sec	Short Circuit Rating of Copper Tape Screen Per Core 1 sec	Reactance	Inductance	Ground		Duct		Air	
	μΩ/m	μΩ/m	kA	pF/m	mA/m	kA	kA	μΩ/m	nH/m	C U	A L	C u	Al	C u	Al
mm ²	μΩ/m	μΩ/m	kA	pF/m	mA/m	kA	kA	μΩ/m	nH/m	A		A		A	
25	727/1200	927/1538	3.6/2.3	176	0.48	2.6	0.6	138	410	140	115	125	95	145	115
35	524/868	668/1113	5.0/3.2	193	0.53	2.6	0.6	123	390	170	135	150	115	175	140
50	387/641	494/822	6.8/4.4	211	0.58	2.6	0.7	116	370	210	160	180	135	220	170
70	268/443	343/568	9.8/6.3	240	0.65	2.6	0.7	110	350	255	195	215	165	270	210
95	193/320	248/410	13.3/8.5	267	0.73	2.6	0.8	105	330	300	230	255	200	330	250
120	153/253	196//325	17.2/11.0	291	0.79	2.6	0.8	102	320	340	265	290	225	375	295
150	124/206	159/265	21.2/13.5	312	0.85	4.3	0.9	98	310	380	300	330	255	430	330
185	99.1/164	128/211	26.6/17.0	340	0.93	4.3	0.9	95	300	430	335	370	290	490	385
240	75.4/125	98/161	34.9/22.3	375	1.02	4.3	1.0	91	290	490	380	425	335	570	450
300	60.1/100	80/130	43.8/28.0	411	1.12	4.3	1.1	89	280	540	435	470	375	650	510
400	47.0/77.8	64/102	57.3/36.6	454	1.24	5.8	1.2	84	270	590	480	520	420	700	570

Three Core 12.7/22KV (Um=24KV) Dimensional Data

	Unarmoured Cables	Steel Wire Armoured Cables
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Nom. Cross-Section Area	Nom. Insulation Thickness	Copper Wire Screen Area	Nom. Sheath Thickness	Approx. Overall Diameter	Approx. Weight		Copper Tape Screen Area	Nom. Bedding Thickness	Nom. Armour Wire Diameter	Nom. Sheath Thickness	Approx. Overall Diameter	Approx. Weight	
					CU	AL						CU	AL
mm ²	mm	mm ²	mm	mm	kg/km		mm ²	mm	mm	mm	mm	kg / km	
35	5.5	16	2.7	51	3750	2880	5.2	1.5	2.5	2.8	62.3	6870	6140
50	5.5	16	2.8	54	4240	3250	5.4	1.5	2.5	2.9	65.6	7710	6810
70	5.5	16	2.9	58	5050	3650	5.9	1.6	2.5	3.0	69.0	8710	7370
95	5.5	16	3.0	62	6010	4110	6.2	1.7	2.5	3.2	73.1	10000	8130
120	5.5	16	3.1	65	6990	4660	6.6	1.7	3.15	3.3	77.7	12040	9730
150	5.5	25	3.2	68	8130	5330	6.9	1.8	3.15	3.4	81.7	13550	10750
185	5.5	25	3.3	72	9410	5870	7.4	1.9	3.15	3.6	85.5	15150	11610
240	5.5	25	3.5	79	11490	6880	7.8	2.0	3.15	3.7	91.3	17710	12840
300	5.5	25	3.7	84	13710	7890	8.2	2.0	3.15	3.9	96.0	20170	14360
400	5.5	35	3.9	91	17230	9440	9.0	2.2	3.15	4.1	104.8	24520	16480

Electrical Data

Nom. Cross-Section Area						Unarmoured Cables	Steel Wire Armoured Cables	Current Ratings		
								Ground	Duct	Air

mm ²	DC	AC	Short Circuit Rating of Conductor CU / AL 1 sec	Capa ci- tanc e	Charg ing Curre nt	Short Circuit Rating of Copper Wire Screen Per Core 1 sec	Short Circuit Rating of Copper Tape Screen Per Core 1 sec	Rea c- tan ce	Indu c- tanc e	C		A		C		A	
	Resista nce CU / AL	Resista nce CU / AL								U	L	U	L	U	L	U	L
	μΩ/m	μΩ/m	kA	pF/m	mA/m	kA	kA	μΩ/ m	nH/ m	A		A		A		A	
35	524/86 8	668/11 13	5.0/3.2	168	0.67	2.6	0.7	129	410	17 0	13 5	15 5	12 0	18 0	14 0	14 5	
50	387/64 1	494/82 2	6.8/4.4	183	0.73	2.6	0.8	122	390	21 0	16 0	18 5	14 0	22 5	17 5		
70	268/44 3	343/56 8	9.8/6.3	207	0.83	2.6	0.8	115	370	25 5	19 5	22 5	17 0	27 5	21 5		
95	193/32 0	248/41 0	13.3/8. 5	229	0.92	2.6	0.9	110	350	29 5	23 0	26 0	20 5	33 0	26 0		
120	153/25 3	196/32 5	17.2/1 1.0	249	1.00	2.6	0.9	106	340	33 5	26 0	30 0	23 5	38 0	30 0		
150	124/20 6	159/26 5	21.2/1 3.5	266	1.06	4.3	1.0	103	330	37 5	29 0	33 5	26 5	43 0	33 5		
185	99.1/16 4	128/21 1	26.6/1 7.0	289	1.16	4.3	1.0	100	320	42 0	33 0	38 0	30 0	49 0	39 0		
240	75.4/12 5	98/161	34.9/2 2.3	318	1.27	4.3	1.1	95	300	48 0	38 0	43 0	34 5	57 0	46 0		
300	60.1/10 0	80/130	43.8/2 8.0	348	1.39	4.3	1.2	93	300	53 0	42 5	48 0	38 5	65 0	52 0		
400	47.0/77 .8	64/102	57.3/3 6.6	383	1.53	5.8	1.3	87	280	59 0	48 0	52 0	42 0	70 0	57 0		

Three Core 19/33KV (Um=36KV) Dimensional Data

Nom. Cros s- Secti on Area	Nom. Insul ation Thickness	Unarmoured Cables					Steel Wire Armoured Cables						
		Cop per Wire Scre en Area	Nom. Sheath Thickn ess	Appro x. Overa ll Diame ter	Approx. Weight		Cop per Tape Scre en Area	Nom. Beddin g Thickn ess	Nom. Armo ur Wire Diame ter	Nom. Sheath Thickn ess	Appro x. Overa ll Diame ter	Approx. Weight	
					CU	AL						CU	AL
mm ²	mm	mm ²	mm	mm	kg/km		mm ²	mm	mm	mm	mm	kg / km	

35	8.0	16	3.1	60	375 0	288 0	6.5	1.7	2.5	3.2	74.9	946 0	870 0
50	8.0	16	3.2	65	524 0	426 0	6.7	1.8	3.15	3.4	79.0	106 20	968 0
70	8.0	16	3.3	70	612 0	473 0	7.1	1.8	3.15	3.5	82.5	118 40	104 40
95	8.0	16	3.4	74	714 0	524 0	7.5	1.9	3.15	3.6	86.4	132 00	113 50
120	8.0	16	3.5	77	808 0	571 0	7.9	2.0	3.15	3.7	89.9	145 20	121 90
150	8.0	25	3.6	80	912 0	622 0	8.2	2.0	3.15	3.8	93.6	160 70	132 80
185	8.0	25	3.7	84	104 40	694 0	8.6	2.1	3.15	3.9	97.3	177 10	140 90
240	8.0	25	3.9	91	126 20	801 0	9.2	2.2	3.15	4.1	103.2	203 70	154 60
300	8.0	25	4.0	95	146 90	880 0	9.7	2.3	3.15	4.3	108.2	229 80	172 10
400	8.0	35	4.3	103	177 20	102 30	10.3	2.4	3.15	4.5	116.8	274 80	194 50

Electrical Data

Nom. Cross-Section Area							Unarmoured Cables	Aluminium Wire Armoured Cables			Current Ratings					
	D C Resistance CU / AL	A C Resistance CU / AL	Short Circuit Rating of Conductor CU / AL 1 sec	Capacitance	Charging Current	Short Circuit Rating of Copper Wire Screen Per Core 1 sec	Short Circuit Rating of Copper Tape Screen Per Core 1 sec	Reactance	Inductance	Ground		Duct		Air		
										C U	A L	C U	A L	C U	A L	
mm2	μΩ/m	μΩ/m	kA	pF/m	mA/m	kA	kA	μΩ/m	nH/m	A	A	A	A	A	A	
35	524/868	668/1113	5.0/3.2	132	0.79	2.6	0.9	140	460	170	135	155	120	180	145	

50	387/64 1	494/82 2	6.8/4.4	142	0.85	2.6	1.0	134	430	21 0	16 0	18 5	14 0	22 5	17 5
70	268/44 3	343/56 8	9.8/6.3	159	0.95	2.6	1.0	127	400	25 5	19 5	22 5	17 0	27 5	21 5
95	193/32 0	248/41 0	13.3/8. 5	175	1.05	2.6	1.1	121	390	29 5	23 0	26 0	20 5	33 0	26 0
120	153/25 3	196/32 5	17.2/1 1.0	189	1.13	2.6	1.1	117	370	33 5	26 0	30 0	23 5	38 0	30 0
150	124/20 6	159/26 5	21.2/1 3.5	201	1.21	4.3	1.2	113	360	37 5	29 0	33 5	26 5	43 0	33 5
185	99.1/16 4	128/21 1	26.6/1 7.0	217	1.30	4.3	1.2	109	350	42 0	33 0	38 0	30 0	49 0	39 0
240	75.4/12 5	98/161	34.9/2 2.3	237	1.42	4.3	1.3	104	330	48 0	38 0	43 0	34 5	57 0	46 0
300	60.1/10 0	80/130	43.8/2 8.0	258	1.55	4.3	1.4	101	320	53 0	42 5	48 0	38 5	65 0	52 0
400	47.0/77 .8	64/102	57.3/3 6.6	282	1.69	5.8	1.5	96	290	59 0	48 0	52 0	42 0	70 0	57 0