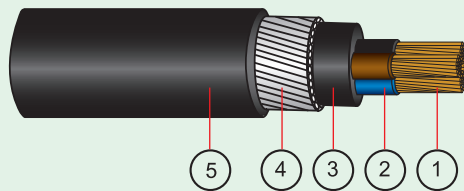
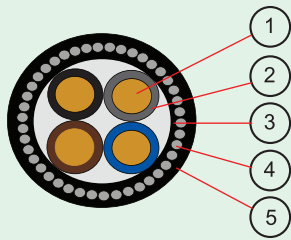


2-, 3-, 4-, 5-, Multicores, CU/XLPE/LSHF/SWA/LSHF

XLPE insulated, LSHF bedded, SWA armoured, LSHF sheathed Cable 0.6/1kV



Component

1. Copper Conductor
2. XLPE Insulation
3. LSHF Bedding
4. Galvanised Steel Wire Armoured
5. LSHF Sheath

Standards Applied

Design Guide: BS6724, IEC60502-1
 Conductor: IEC60228, BS6360, BS EN 60228
 Flame Retardancy: IEC60332-1-2, IEC60332-3-22
 Low Smoke & Reduced Toxicity: IEC60754-1/2, IEC61034-2

Electrical Characteristics

Operating voltage, U_0/U : 600/1000V
 Max. operating temperature: 90°C
 Final short circuit temperature: 250°C
 Test voltage: 3.5kV for 5 minutes

Installation Guide

Min. bending radius (mm) : 10 x Cable Overall Diameter
 Max. pulling tension (kgf) : 7 x No. of Core x Conductor Size

Construction

Conductor	Plain annealed copper wire
Insulation	An extruded layer of cross-linked polyethylene (XLPE) compound
Core Identification	Refer to Appendix F for details
Assembly	Cores cabled together, supplied with filler* and covered with polyester (PETP) binder tape*
Bedding	An extruded layer of low smoke halogen free (LSHF) compound
Bedding Colour	Black
Armour	A single layer of galvanised steel wire armour (SWA)
Outer Sheath	An extruded layer of low smoke halogen free (LSHF) compound
Outer Sheath Colour	Black

Dimension & Electrical Data

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Dia. after Bedding	Nom. Armour Wire Size	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km
	2	1.5	0.7	8.0	0.9	1.8	13.4	292	12.1
	2	2.5	0.7	8.9	0.9	1.8	14.3	341	7.41
	2	4	0.7	10.0	0.9	1.8	15.4	410	4.61
	2	6	0.7	11.1	0.9	1.8	16.5	493	3.08
	2	10	0.7	13.6	1.25	1.8	19.7	749	1.83
	2	16	0.7	15.7	1.25	1.8	21.8	943	1.15
	2	25	0.9	19.2	1.6	1.8	26.0	1268	0.727
	2	35	0.9	21.6	1.6	1.8	28.4	1761	0.524
	2	50	1.0	24.2	1.6	1.8	31.0	2141	0.387
	2	70	1.1	28.5	1.6	2.0	35.7	2781	0.268
	2	95	1.1	32.7	2.0	2.1	40.9	3868	0.193
	2	120	1.2	36.4	2.0	2.2	44.8	4593	0.153
	2	150	1.4	40.3	2.0	2.3	48.9	5408	0.124
	2	185	1.6	45.3	2.5	2.5	55.3	7039	0.0991
	2	240	1.7	51.0	2.5	2.7	61.4	8640	0.0754
	2	300	1.8	56.8	2.5	2.8	67.4	10322	0.0601
	2	400	2.0	63.6	2.5	3.1	74.8	12599	0.047

* Optional

** Available upon request

**CU/XLPE/LSHF/SWA/LSHF, XLPE insulated, LSHF bedded, SWA armoured, LSHF sheathed
Cable, 0.6/1kV
2-, 3-, 4-, 5-, Multicores**

Dimension & Electrical Data

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Dia. after Bedding	Nom. Armour Wire Size	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km
	3	1.5	0.7	8.6	0.9	1.8	14.0	320	12.1
	3	2.5	0.7	9.5	0.9	1.8	14.9	383	7.41
	3	4	0.7	10.7	0.9	1.8	16.1	466	4.61
	3	6	0.7	12.0	0.9	1.8	17.4	565	3.08
	3	10	0.7	14.6	1.25	1.8	20.7	890	1.83
	3	16	0.7	16.9	1.25	1.8	23.0	1157	1.15
	3	25	0.9	20.7	1.6	1.8	27.5	1797	0.727
	3	35	0.9	23.4	1.6	1.8	30.2	2199	0.524
	3	35 sh	0.9	18.6	1.6	1.8	25.4	2020	0.524
	3	50	1.0	26.2	1.6	1.9	33.2	2695	0.387
	3	50 sh	1.0	20.9	1.6	1.9	27.9	2489	0.387
	3	70	1.1	31.3	2.0	2.0	39.3	3549	0.268
	3	70 sh	1.1	25.0	2.0	2.1	33.2	3321	0.268
	3	95	1.1	35.4	2.0	2.2	43.8	4929	0.193
	3	95 sh	1.1	28.2	2.0	2.2	36.6	4503	0.193
	3	120	1.2	39.5	2.0	2.3	48.1	5931	0.153
	3	120 sh	1.2	31.2	2.0	2.3	39.8	5512	0.153
	3	150	1.4	44.2	2.5	2.5	54.2	7618	0.124
	3	150 sh	1.4	35.2	2.5	2.5	45.2	6905	0.124
	3	185	1.6	49.2	2.5	2.6	59.4	9121	0.0991
	3	185 sh	1.6	39.3	2.5	2.6	49.5	8247	0.0991
	3	240	1.7	55.8	2.5	2.8	66.4	11347	0.0754
	3	240 sh	1.7	44.4	2.5	2.8	55.0	10201	0.0754
	3	300	1.8	61.6	2.5	3.0	72.6	13699	0.0601
	3	300 sh	1.8	48.0	2.5	3.0	59.0	12158	0.0601
	3	400	2.0	69.0	3.2	3.3	81.9	16833	0.047
	3	400 sh	2.0	58.0	2.5	3.3	69.6	15458	0.047

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Dia. after Bedding	Nom. Armour Wire Size	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km
	4	1.5	0.7	9.4	0.9	1.8	14.8	371	12.1
	4	2.5	0.7	10.4	0.9	1.8	15.8	450	7.41
	4	4	0.7	11.8	0.9	1.8	17.2	562	4.61
	4	6	0.7	13.2	1.25	1.8	19.3	802	3.08
	4	10	0.7	16.1	1.25	1.8	22.2	1087	1.83
	4	16	0.7	18.7	1.25	1.8	24.8	1427	1.15
	4	25	0.9	23.0	1.6	1.8	29.8	2207	0.727
	4	35	0.9	26.2	1.6	1.9	33.2	2759	0.524
	4	35 sh	0.9	22.7	1.6	1.9	29.7	2530	0.524
	4	50	1.0	29.3	2.0	2.0	37.3	3257	0.387
	4	50 sh	1.0	24.9	1.6	2.0	32.1	3127	0.387
	4	70	1.1	34.7	2.0	2.2	43.1	4943	0.268
	4	70 sh	1.1	29.8	2.0	2.2	38.2	4529	0.268
	4	95	1.1	39.4	2.0	2.3	48.0	6287	0.193
	4	95 sh	1.1	33.8	2.0	2.3	42.4	5711	0.193
	4	120	1.2	44.3	2.5	2.5	54.3	8112	0.153
	4	120 sh	1.2	37.8	2.5	2.5	47.8	7483	0.153
	4	150	1.4	49.1	2.5	2.6	59.3	9603	0.124
	4	150 sh	1.4	42.6	2.5	2.6	52.8	8741	0.124
	4	185	1.6	54.7	2.5	2.8	65.3	11620	0.0991
	4	185 sh	1.6	47.3	2.5	2.8	57.9	10568	0.0991
	4	240	1.7	62.0	2.5	3.0	73.0	14524	0.0754
	4	240 sh	1.7	53.6	2.5	3.0	64.6	13142	0.0754
	4	300	1.8	68.5	2.5	3.2	79.9	17609	0.0601
	4	300 sh	1.8	59.0	2.5	3.2	70.4	15768	0.0601
	4	400	2.0	77.2	3.2	3.5	90.5	23072	0.047
	4	400 sh	2.0	66.9	3.2	3.5	80.2	21145	0.047

sh: sector shaped conductor

**CU/XLPE/LSHF/SWA/LSHF, XLPE insulated, LSHF bedded, SWA armoured, LSHF sheathed Cable, 0.6/1kV
2-, 3-, 4-, 5-, Multicores**

Dimension & Electrical Data

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Dia. after Bedding	Nom. Armour Wire Size	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km
	5	1.5	0.7	10.3	0.9	1.8	15.7	408	1.15
	5	2.5	0.7	11.4	0.9	1.8	16.8	493	0.727
	5	4	0.7	13.0	1.25	1.8	19.1	624	0.524
	5	6	0.7	14.5	1.25	1.8	20.6	879	0.387
	5	10	0.7	17.2	1.25	1.8	23.3	1225	0.268
	5	16	0.7	20.1	1.6	1.8	26.9	1840	0.193
	5	25	0.9	24.8	1.6	1.8	31.6	2546	0.153
	5	35	0.9	28.2	1.6	1.9	35.2	3177	0.124
	5	50	1.0	32.9	2.0	2.1	41.1	4430	0.0991
	5	70	1.1	38.4	2.0	2.3	47.0	5787	0.0754

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Dia. after Bedding	Nom. Armour Wire Size	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km
	7	1.5	0.7	11.2	0.9	1.8	16.6	464	12.1
	7	2.5	0.7	12.4	1.25	1.8	18.5	566	7.41
	7	4	0.7	14.0	1.25	1.8	20.1	830	4.61
	12	1.5	0.7	14.7	1.25	1.8	20.8	784	12.1
	12	2.5	0.7	16.5	1.25	1.8	22.6	970	7.41
	12	4	0.7	18.6	1.6	1.8	25.4	1408	4.61
	19	1.5	0.7	17.2	1.25	1.8	23.3	1019	12.1
	19	2.5	0.7	19.4	1.6	1.8	26.2	1470	7.41
	19	4	0.7	21.9	1.6	1.8	28.7	1866	4.61
	27	1.5	0.7	20.6	1.6	1.8	27.4	1500	12.1
	27	2.5	0.7	23.3	1.6	1.8	30.1	1889	7.41
	27	4	0.7	26.5	1.6	1.9	33.5	2481	4.61
	37	1.5	0.7	23.2	1.6	1.8	30.0	1808	12.1
	37	2.5	0.7	26.2	1.6	1.9	33.2	2298	7.41
	37	4	0.7	30.3	2.0	2.1	38.5	3381	4.61
	48	1.5	0.7	26.8	1.6	1.8	33.8	2198	12.1
	48	2.5	0.7	30.7	2.0	2.1	38.9	3179	7.41