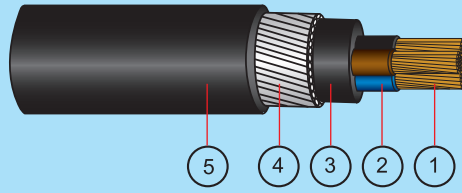
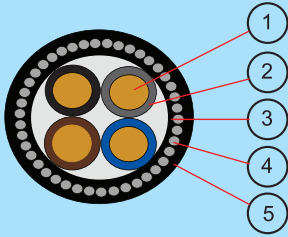


2-, 3-, 4-, 5-, multicores CU/PVC/PVC/SWA/PVC

PVC insulated, PVC bedded, SWA armoured, PVC sheathed Cable 0.6/1kV



Component

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

Standards Applied

Design Guide: BS6346, MS274
 Conductor: IEC60228, BS6360, BS EN 60228
 Flame Retardancy: IEC60332-1-2, IEC60332-3-24**, IEC60332-3-22**

Electrical Characteristics

Operating voltage, U_0/U : 600/1000V
 Max. operating temperature: 70°C
 Final short circuit temperature: 160°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 polyvinyl chloride (PVC) 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 polyvinyl chloride (PVC) compound
Bedding Colour	Black
Armour	A single layer of galvanised steel wire armour (SWA)
Outer Sheath	An extruded layer of polyvinyl chloride (PVC) 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	0.6	7.3	0.9	1.4	12.2	287	12.1
	2	2.5	0.7	8.6	0.9	1.4	13.5	353	7.41
	2	4	0.8	10.1	0.9	1.4	15.0	447	4.61
	2	6	0.8	11.2	0.9	1.5	16.3	542	3.08
	2	10	1.0	14.0	1.25	1.6	20.0	783	1.83
	2	16	1.0	16.2	1.25	1.6	21.9	992	1.15
	2	25	1.2	20.1	1.6	1.7	26.7	1516	0.727
	2	35	1.2	22.7	1.6	1.8	29.5	1833	0.727
	2	50	1.4	26.0	1.6	1.9	33.0	2261	0.387
	2	70	1.4	30.0	1.6	1.9	37.0	2885	0.268
	2	95	1.6	35.1	2.0	2.1	43.3	4056	0.193
	2	120	1.6	38.4	2.0	2.2	46.8	4717	0.153
	2	150	1.8	42.3	2.0	2.3	50.9	5563	0.124
	2	185	2.0	47.4	2.5	2.4	57.2	7183	0.0991
	2	240	2.2	53.5	2.5	2.5	63.5	8829	0.0754
	2	300	2.4	59.7	2.5	2.7	70.1	10607	0.0601
	2	400	2.6	66.6	2.5	2.9	77.4	12862	0.047

* Optional

** Available upon request

**CU/PVC/PVC/SWA/PVC, PVC insulated, PVC bedded, SWA armoured, PVC 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	0.6	7.7	0.9	1.4	12.6	315	12.1
	3	2.5	0.7	9.1	0.9	1.4	14.0	390	7.41
	3	4	0.8	10.7	0.9	1.4	15.6	499	4.61
	3	6	0.8	12.0	1.25	1.5	17.8	707	3.08
	3	10	1.0	15.1	1.25	1.6	21.2	974	1.83
	3	16	1.0	17.4	1.25	1.6	23.1	1235	1.15
	3	25	1.2	21.6	1.6	1.7	28.2	1910	0.727
	3	35	1.2	24.1	1.6	1.8	30.9	2320	0.524
	3	35 sh	1.2	19.8	1.6	1.8	27.1	2149	0.524
	3	50	1.4	27.7	1.6	1.9	34.7	2938	0.387
	3	50 sh	1.4	22.6	1.6	1.9	30.1	2710	0.387
	3	70	1.4	32.3	2.0	2.0	40.3	4123	0.268
	3	70 sh	1.4	26.3	2.0	2.0	34.8	3765	0.268
	3	95	1.6	37.3	2.0	2.1	45.5	5308	0.193
	3	95 sh	1.6	30.3	2.0	2.1	39.0	4794	0.193
	3	120	1.6	40.8	2.0	2.2	49.2	6311	0.153
	3	120 sh	1.6	32.9	2.0	2.2	41.8	5791	0.153
	3	150	1.8	45.5	2.5	2.4	55.3	8048	0.124
	3	150 sh	1.8	36.9	2.5	2.4	47.2	7206	0.124
	3	185	2.0	50.5	2.5	2.5	60.5	9622	0.0991
	3	185 sh	2.0	41.0	2.5	2.5	51.5	8636	0.0991
	3	240	2.2	57.0	2.5	2.6	67.2	11956	0.0754
	3	240 sh	2.2	46.5	2.5	2.6	57.2	10747	0.0754
	3	300	2.4	63.6	2.5	2.8	74.2	14513	0.0601
	3	300 sh	2.4	50.5	2.5	2.8	62.0	12775	0.0601
	3	400	2.6	71.0	2.5	3.0	82.0	17773	0.047
	3	400 sh	2.4	56.7	2.5	3.0	68.7	16042	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	0.6	7.7	0.9	1.4	12.6	315	12.1
	4	2.5	0.7	9.1	0.9	1.4	14.0	390	7.41
	4	4	0.8	10.7	0.9	1.4	15.6	499	4.61
	4	6	0.8	12.0	1.25	1.5	17.8	707	3.08
	4	10	1.0	15.1	1.25	1.6	21.2	974	1.83
	4	16	1.0	17.4	1.25	1.6	23.1	1235	1.15
	4	25	1.2	21.6	1.6	1.7	28.2	1910	0.727
	4	35	1.2	24.1	1.6	1.8	30.9	2320	0.524
	4	35 sh	1.2	19.8	1.6	1.8	27.1	2149	0.524
	4	50	1.4	27.7	1.6	1.9	34.7	2938	0.387
	4	50 sh	1.4	22.6	1.6	1.9	30.1	2710	0.387
	4	70	1.4	32.3	2.0	2.0	40.3	4123	0.268
	4	70 sh	1.4	26.3	2.0	2.0	34.8	3765	0.268
	4	95	1.6	37.3	2.0	2.1	45.5	5308	0.193
	4	95 sh	1.6	30.3	2.0	2.1	39.0	4794	0.193
	4	120	1.6	40.8	2.0	2.2	49.2	6311	0.153
	4	120 sh	1.6	32.9	2.0	2.2	41.8	5791	0.153
	4	150	1.8	45.5	2.5	2.4	55.3	8048	0.124
	4	150 sh	1.8	36.9	2.5	2.4	47.2	7206	0.124
	4	185	2.0	50.5	2.5	2.5	60.5	9622	0.0991
	4	185 sh	2.0	41.0	2.5	2.5	51.5	8636	0.0991
	4	240	2.2	57.0	2.5	2.6	67.2	11956	0.0754
	4	240 sh	2.2	46.5	2.5	2.6	57.2	10747	0.0754
	4	300	2.4	63.6	2.5	2.8	74.2	14513	0.0601
	4	300 sh	2.4	50.5	2.5	2.8	62.0	12775	0.0601
	4	400	2.6	71.0	2.5	3.0	82.0	17773	0.047
	4	400 sh	2.4	56.7	2.5	3.0	68.7	16042	0.047

sh: sector shaped conductor

**CU/PVC/PVC/SWA/PVC, PVC insulated, PVC bedded, SWA armoured, PVC 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	0.6	9.3	0.9	1.4	14.2	393	12.1
	5	2.5	0.7	11.0	0.9	1.5	16.1	512	7.41
	5	4.0	0.8	13.1	1.25	1.5	18.6	764	4.61
	7	1.5	0.6	10.2	0.9	1.4	15.0	459	12.1
	7	2.5	0.7	12.0	1.25	1.5	17.8	695	7.41
	7	4.0	0.8	14.2	1.25	1.6	19.9	910	4.61
	12	1.5	0.6	13.5	1.25	1.5	19.3	775	12.1
	12	2.5	0.7	16.1	1.25	1.6	22.2	1017	7.41
	12	4.0	0.8	19.5	1.6	1.7	26.2	1521	4.61
	19	1.5	0.6	15.8	1.25	1.6	21.8	1014	12.1
	19	2.5	0.7	19.4	1.6	1.7	26.4	1549	7.41
	19	4.0	0.8	23.0	1.6	1.8	29.8	2051	4.61
	27	1.5	0.6	19.5	1.6	1.7	26.4	1497	12.1
	27	2.5	0.7	23.3	1.6	1.8	30.5	2004	7.41
	27	4.0	0.8	28.1	2.0	2.0	36.1	2992	4.61
	37	1.5	0.6	21.9	1.6	1.8	29.0	1829	12.1
	37	2.5	0.7	26.3	1.6	1.9	33.8	2475	7.41
	37	4.0	0.8	31.7	2.0	2.1	39.9	3698	4.61
	48	1.5	0.6	25.1	1.6	1.9	32.6	2224	12.1
	48	2.5	0.7	30.6	2.0	2.0	39.2	3369	7.41

sh: sector shaped conductor