

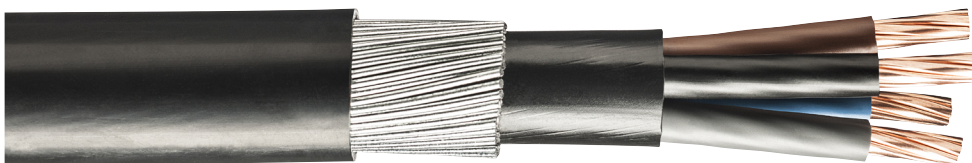


Draka

BS5467

Draka BS5467 – Armoured Low Voltage Energy Cable

Draka BS5467 is the low voltage armoured power cable for industrial wiring and mains distribution. Designed for installation in duct, clipped directly to a surface, on tray, in basket or in free air they may also be laid direct in ground in free draining soil or embedded in concrete. The design of Draka BS5467 is particularly robust and is well suited to areas at risk of mechanical damage.



Construction

Manufacturing standard:	BS5467
Conductors:	Stranded plain annealed copper wire (class 2) to BS EN 60228.
Insulation:	XLPE
Bedding:	PVC
Armour:	Galvanised Steel Wire Armour (Aluminium Wire Armour for single core)
Sheath:	PVC
Core colours:	Single core: Brown or Blue Two core: Brown and Blue Three core: Brown, Black and Grey Four core: Brown, Black, Grey and Blue Five core: Brown, Black, Grey, Blue and Green/Yellow
Sheath colour:	Black

Physical Characteristics

Voltage rating (U₀/U):	600/1000V
Max, conductor temp:	90°C Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-1-5 of BS7671, the 17th Edition of IEE Wiring Regulations)
Min, bending radius:	6D circular conductors 8D shaped conductors
Curent rating:	Refer to tables 4E4A & 4E4B in BS7671 or ERA 69-30 Part V

Other colours are available on request



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Group

BS5467

Single Core 694AWXLH

Nominal area of conductor	Armour wire diameter	Approx. diameter under armour	Approx. overall diameter	Approx. cable weight	Maximum conductor resistance		Nominal area of armour	Maximum armour resistance at 20°C
					DC at 20°C	AC at 90°C		
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	mm ²	Ω/km
120*	1.25	17.7	24.2	1540	0.1530	0.1962	52	0.61
150*	1.6	19.5	26.2	1840	0.1240	0.1594	76	0.42
185*	1.6	21.6	28.4	2230	0.0991	0.1280	84	0.38
240*	1.6	23.8	30.6	2800	0.0754	0.0985	94	0.34
300*	1.6	26.4	33.4	3435	0.0601	0.0797	104	0.31
400*	2.0	30.1	38.1	4385	0.0470	0.0635	147	0.22
500*	2.0	33.9	42.1	5535	0.0366	0.0513	163	0.20
630*	2.0	38.2	46.6	6990	0.0283	0.0419	182	0.18
800*	2.5	43.4	53.2	9170	0.0221	0.0349	260	0.13
1000*	2.5	48.3	58.2	11355	0.0176	0.0303	284	0.12

Two Core 6942XLH

Nominal area of conductor	Armour wire diameter	Approx. diameter under armour	Approx. overall diameter	Approx. cable weight	Maximum conductor resistance		Nominal area of armour	Maximum armour resistance at 20°C
					DC at 20°C	AC at 90°C		
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	mm ²	Ω/km
1.5*	0.9	6.9	10.8	240	12.1	15.428	15	10.2
2.5*	0.9	8.2	12.2	305	7.41	9.448	17	8.8
4*	0.9	9.3	13.3	370	4.61	5.878	19	7.9
6*	0.9	10.4	14.4	445	3.08	3.927	22	7
10*	0.9	12.0	16.2	580	1.83	2.333	26	6
16*	1.25	14.1	19.0	870	1.15	1.466	42	3.7
25	1.25	15.1	20.7	1090	0.727	0.926	42	3.7
35	1.6	16.7	23.2	1470	0.524	0.6685	60	2.6
50	1.6	19.2	25.9	1845	0.387	0.494	68	2.3
70	1.6	22.2	29.0	2385	0.268	0.3412	80	2
95	2.0	23.8	31.3	3025	0.193	0.2471	113	1.4
120	2.0	27.2	34.8	3675	0.153	0.1964	125	1.3
150	2.0	29.7	37.5	4330	0.124	0.1597	138	1.2
185	2.5	33.1	42.3	5635	0.0991	0.1284	191	0.82
240	2.5	37.8	47.2	7000	0.0754	0.0989	215	0.73
300	2.5	42.1	51.7	8480	0.0601	0.0801	235	0.67
400	2.5	46.9	56.8	10390	0.047	0.0641	265	0.59

Three Core 6943XLH

Nominal area of conductor	Armour wire diameter	Approx. diameter under armour	Approx. overall diameter	Approx. cable weight	Maximum conductor resistance		Nominal area of armour	Maximum armour resistance at 20°C
					DC at 20°C	AC at 90°C		
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	mm ²	Ω/km
1.5*	0.9	7.4	11.2	265	12.1	15.428	16	9.5
2.5*	0.9	8.7	12.7	340	7.41	9.448	19	8.2
4*	0.9	9.9	13.9	420	4.61	5.878	20	7.5
6*	0.9	11.1	15.1	510	3.08	3.927	23	6.7
10*	1.25	12.8	17.7	780	1.83	2.333	39	4
16*	1.25	15.1	20.1	1035	1.15	1.466	45	3.5
25*	1.6	18.9	25.2	1715	0.727	0.926	62	2.5
35*	1.6	21.2	27.7	2120	0.524	0.6685	68	2.3
50	1.6	22.1	28.8	2410	0.387	0.494	78	2
70	1.6	25.3	32.1	3160	0.268	0.3412	90	1.8
95	2.0	28.3	36.0	4100	0.193	0.2471	128	1.3
120	2.0	31.4	39.3	4980	0.153	0.1964	141	1.2
150	2.5	35.3	44.3	6340	0.124	0.1597	201	0.78
185	2.5	39.1	48.3	7590	0.0991	0.1284	220	0.71
240	2.5	43.9	53.5	9575	0.0754	0.0989	250	0.63
300	2.5	48.7	58.4	11585	0.0601	0.0801	269	0.58
400	2.5	54.4	64.5	14345	0.047	0.0641	304	0.52



BS5467

Four Core 6944XLH

Nominal area of conductor	Armour wire diameter	Approx. diameter under armour	Approx. overall diameter	Approx. cable weight	Maximum conductor resistance		Nominal area of armour	Maximum armour resistance at 20°C
					DC at 20°C	AC at 90°C		
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	mm ²	Ω/km
1.5*	0.9	8.4	11.9	300	12.1	15.428	17	8.8
2.5*	0.9	9.6	13.6	385	7.41	9.448	20	7.7
4*	0.9	10.9	14.9	480	4.61	5.878	22	6.8
6*	1.25	12.3	17.2	690	3.08	3.927	36	4.3
10*	1.25	14.2	19.0	920	1.83	2.333	42	3.7
16*	1.25	16.7	21.8	1240	1.15	1.466	50	3.1
25*	1.6	21.1	27.4	1990	0.727	0.926	70	2.3
35*	1.6	23.6	30.1	2475	0.524	0.6685	78	2
50	1.6	24.3	31.1	2965	0.387	0.494	90	1.8
70	2.0	28.5	36.2	4040	0.268	0.3412	131	1.2
95	2.0	32.0	39.9	5170	0.193	0.2471	147	1.1
120	2.5	35.9	44.9	6675	0.153	0.1964	206	0.76
150	2.5	39.9	49.1	7965	0.124	0.1597	230	0.68
185	2.5	44.4	53.9	9655	0.0991	0.1284	255	0.61
240	2.5	49.7	59.4	12195	0.0754	0.0989	289	0.54
300	2.5	55.2	65.3	14820	0.0601	0.0801	319	0.49
400	3.15	62.1	74.0	19200	0.047	0.0641	452	0.35

Five Core 6945XLH

Nominal area of conductor	Armour wire diameter	Approx. diameter under armour	Approx. overall diameter	Approx. cable weight	Maximum conductor resistance		Nominal area of armour	Maximum armour resistance at 20°C
					DC at 20°C	AC at 90°C		
mm ²	mm	mm	mm	kg/km	Ω/km	Ω/km	mm ²	Ω/km
1.5*	0.9	8.9	12.9	345	12.1	15.428	19	8.2
2.5*	0.9	10.6	14.6	440	7.41	9.448	22	6.8
4*	0.9	12.0	16.3	565	4.61	5.878	25	6.2
6*	1.25	13.6	18.5	795	3.08	3.927	40	3.9
10*	1.25	15.6	20.8	1080	1.83	2.333	46	3.4
16*	1.6	18.9	24.8	1610	1.15	1.466	72	2.2
25*	1.6	22.8	29.2	2310	0.727	0.926	88	1.8
35*	1.6	25.6	32.3	2915	0.524	0.6685	100	1.6



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*Circular conductors, all others are shaped conductors