



CR1-C1 Cable



Eland Product Group: B5C

APPLICATION

Suitable for the strictest safety requirements in case of fire, such as: emergency lightings, alarm and automatic fire detection systems, fire extinguishing systems, automatic emergency exits, lift systems, activation of smoke outlets or shutters, fans, air conditioning, and telephone and vide-surveillance systems.

CHARACTERISTICS

Voltage Rating

300/500 V

Temperature Rating

Operating: -15°C to +90°C

Maximum temperature of short circuit: +350°C

Minimum Bending Radius

6 x overall diameter

CONSTRUCTION

Conductor

Up to 6mm²: Class 1 solid copper

10mm² and above: Class 2 stranded copper

Insulation

Fire resistant silicone rubber

Sheath

LSZH (Low smoke zero halogen) Thermoplastic M1

Core Identification

2 core: ● Blue ● Brown

3 core: ● Green/Yellow ● Blue ● Brown

4 core: ● Green/Yellow ● Brown ● Black ● Grey

5 core: ● Green/Yellow ● Brown ● Black ● Grey ● Blue

Sheath Colour

● Orange

STANDARDS

IEC/ NF EN 60228, NF C 32-310, IEC/NF EN 60754-1/2, IEC/NF EN 61034-2

Fire resistance CR1 according to NF C 32-070

Flame retardant C1 according to NF C 32-070

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578



FS 672069

EMS 672067

OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



KM 634267





DIMENSIONS & ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CLASS OF CONDUCTOR	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	CURRENT RATING (A)
B5C010015OR	1	1.5	1	4,2	35	24
B5C010025OR	1	2.5	1	5,0	50	33
B5C010040OR	1	4	1	5,4	70	45
B5C010060OR	1	6	1	5,9	90	58
B5C010100R	1	10	2	7,6	155	80
B5C010160R	1	16	2	8,6	215	107
B5C010250R	1	25	2	10,2	320	135
B5C010350R	1	35	2	11,5	430	169
B5C010500R	1	50	2	12,9	565	207
B5C010700R	1	70	2	15,0	800	268
B5C010950R	1	95	2	16,9	1070	328
B5C011200R	1	120	2	18,8	1335	382
B5C011500R	1	150	2	20,7	1640	443
B5C011850R	1	185	2	23,2	2065	509
B5C012400R	1	240	2	26,1	2710	604
B5C013000R	1	300	2	29,0	3360	699
B5C020015OR	2	1.5	1	7,2	70	26
B5C020025OR	2	2.5	1	8,5	105	36
B5C020040OR	2	4	1	9,6	140	49
B5C020060OR	2	6	1	10,6	185	63
B5C020100R	2	10	2	14,0	325	86
B5C020160R	2	16	2	16,0	455	115
B5C020250R	2	25	2	19,2	680	149
B5C020350R	2	35	2	21,8	920	169
B5C020500R	2	50	2	25,0	1230	230
B5C020700R	2	70	2	29,0	1720	291
B5C020950R	2	95	2	32,6	2280	347
B5C030015OR	3	1.5	1	7,7	95	23
B5C030025OR	3	2.5	1	9,1	135	32
B5C030040OR	3	4	1	10,2	190	42
B5C030060OR	3	6	1	11,5	265	54
B5C030100R	3	10	2	14,9	455	75
B5C030160R	3	16	2	17,3	650	100
B5C030250R	3	25	2	20,7	970	127
B5C030350R	3	35	2	23,4	1325	157
B5C030500R	3	50	2	26,9	1760	192
B5C030700R	3	70	2	31,1	2475	246
B5C030950R	3	95	2	35,0	3300	298
B5C040015OR	4	1.5	1	8,6	125	23
B5C040025OR	4	2.5	1	10,1	180	32
B5C040040OR	4	4	1	11,4	250	42
B5C040060OR	4	6	1	12,6	340	54
B5C040100R	4	10	2	16,6	590	75
B5C040160R	4	16	2	19,2	855	100
B5C040250R	4	25	2	23,0	1275	127
B5C040350R	4	35	2	26,1	1735	157



ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CLASS OF CONDUCTOR	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	CURRENT RATING (A)
B5C040500R	4	50	2	29,8	2305	192
B5C040700R	4	70	2	34,6	3255	246
B5C040950R	4	95	2	38,9	4335	298
B5C0500150R	5	1.5	1	9,4	145	23
B5C0500250R	5	2.5	1	11,1	215	32
B5C0500400R	5	4	1	12,5	305	42
B5C0500600R	5	6	1	14,1	420	54
B5C050100R	5	10	2	18,5	735	75
B5C050160R	5	16	2	21,4	1055	100
B5C050250R	5	25	2	25,6	1580	127
B5C050350R	5	35	2	29,0	2145	157
B5C050500R	5	50	2	33,1	2855	192
B5C050700R	5	70	2	38,5	4035	246
B5C050950R	5	95	2	43,3	5380	298
B5C0600150R	6	1.5	1	10,4	170	23
B5C0600250R	6	2.5	1	12,3	250	32
B5C0700150R	7	1.5	1	10,4	200	16
B5C0700250R	7	2.5	1	12,3	295	21

CONDUCTORS

Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR CLASS	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
1.5	1	12.1
2.5	1	7.41
4	1	4.61
6	1	3.08
10	2	1.83
16	2	1.15
25	2	0.727
35	2	0.524
50	2	0.387
70	2	0.268
90	2	0.193
120	2	0.153
150	2	0.124
185	2	0.0991
240	2	0.0754
300	2	0.0601