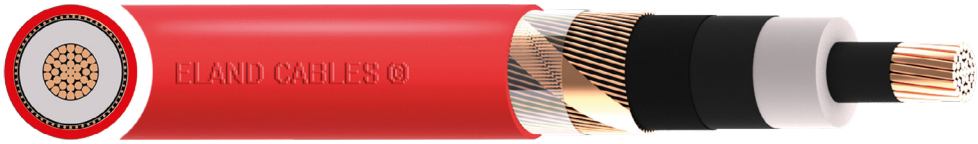
EXeCWB Cable



Eland Product Group: B4I

APPLICATION

Electrical power supply in public networks and industrial plants. Outdoor installation, on racks, direct buried or in conduits. This construction is particularly suitable for underground installation due to the longitudinal watertightness.

CHARACTERISTICS

Voltage Rating Uo/U (Um)
8.7/15(17.5)kV
12/20 (24)kV
18/30 (36)kV

Temperature Range
Maximum conductor operating temperature: 90°C
Maximum short circuit temperature: 250°C

CONSTRUCTION

Conductor
Class 2 stranded Copper

Conductor Screen
Semi-conducting XLPE (Cross-Linked Polyethylene)

Insulation
XLPE (Cross-Linked Polyethylene)

Insulation Screen
Semi-conducting XLPE (Cross-Linked Polyethylene)

Longitudinal waterblock
Semi-conducting swellable tape

Metallic Screen
Copper wires screen + counter helix copper tape

Longitudinal waterblock
Swellable tape

Outer Sheath
PE (Polyethylene)

Sheath Colour
Red

STANDARDS

National NBN HD 620 / 10B-A

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS - 8.7/15 (17.5)kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL INSULATION THICKNESS mm	NOMINAL SCREEN SECTIONAL AREA mm²	NOMINAL SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B4I15KV01025	1	25	4.5	16	2.6	30.5	960
B4I15KV01050	1	50	4.5	16	2.6	33.0	1220
B4I15KV01150	1	150	4.5	25	2.9	40.0	2460
B4I15KV01240	1	240	4.5	25	3.1	44.0	3470
B4I15KV01630	1	630	4.5	35	3.5	56.0	7600
B4I15KV011000	1	1000	4.5	35	3.7	68.0	11620

ELECTRICAL CHARACTERISTICS 8.7/15 (17.5)kV

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY - INSTALLED IN GROUND		CURRENT CARRYING CAPACITY - IN AIR	
	TREFOIL A	FLAT A	TREFOIL A	FLAT A
25	154	167	165	190
50	224	242	237	275
150	418	436	470	539
240	546	558	633	717
630	871	823	1086	1177
1000	1049	974	1357	1442

DIMENSIONS - 12/20 (24)kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL INSULATION THICKNESS mm	NOMINAL SCREEN SECTIONAL AREA mm²	NOMINAL SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B4I20KV01050	1	50	5.5	16	2.6	35.0	1310
B4I20KV01095	1	95	5.5	25	2.7	39.0	1980
B4I20KV01150	1	150	5.5	25	3.0	42.0	2600
B4I20KV01240	1	240	5.5	25	3.1	46.0	3600
B4I20KV01400	1	400	5.5	35	3.3	52.0	5250

ELECTRICAL CHARACTERISTICS 12/20 (24)kV

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY - INSTALLED IN GROUND		CURRENT CARRYING CAPACITY - IN AIR	
	TREFOIL A	FLAT A	TREFOIL A	FLAT A
50	217	234	239	276
95	318	335	363	416
150	404	418	473	539
240	526	534	635	717
400	667	647	836	922

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com

DIMENSIONS - 18/30 (36)kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL INSULATION THICKNESS mm	NOMINAL SCREEN SECTIONAL AREA mm²	NOMINAL SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B4I30KV01050	1	50	8.0	16	2.8	41.0	1600
B4I30KV01095	1	95	8.0	25	2.9	44.0	2310
B4I30KV01150	1	150	8.0	25	3.2	47.0	2960
B4I30KV01240	1	240	8.0	25	3.3	51.0	4000
B4I30KV01400	1	400	8.0	35	3.5	57.0	5700
B4I30KV01630	1	630	8.0	35	3.7	63.0	8270
B4I30KV011000	1	1000	8.0	35	4.0	76.0	12450

ELECTRICAL CHARACTERISTICS 18/30 (36)kV

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY - INSTALLED IN GROUND		CURRENT CARRYING CAPACITY - IN AIR	
	TREFOIL A	FLAT A	TREFOIL A	FLAT A
50	217	232	243	275
95	318	334	367	414
150	404	418	477	537
240	526	535	639	714
400	668	650	841	918
630	843	794	1097	1180
1000	1017	938	1373	1450

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com