

(N)GRDGCGÖU High Flexibility Chain Cable



Eland Product Group: B5Q

APPLICATION

(N)GRDGCGÖU Cable for flexible low voltage screened power and control in chain and festoon systems and lifting devices. Suitable for material handling equipment, hoisting plants and transporting machines for heavy mechanical load, in dry, damp or wet rooms and in wet industrial conditions. Suitable for application under high mechanical stresses and subject to frequent bending during operation.

CHARACTERISTICS

Voltage Rating

Rated Voltage: 0.6 /1 kV
Maximum Operating AC Voltage: 0.7/1.2 kV
Maximum Operating DC Voltage: 0.9 /1.8 kV
AC Test Voltage: 3.5 kV

Temperature Rating

Fixed: -40°C to +80°C
Mobile: -25°C to +80°C

Travel Speed

In festoon systems: up to 240 m/min

Maximum tensile load of cable

15 N / mm²

CONSTRUCTION

Conductor

Class 5 flexible stranded Copper

Insulation

3GI3 Type elastomer compound

Separator

Tape

Inner Sheath

Rubber Elastomer

Screen

TCWB (Tinned copper wire braid) - c.80% coverage

Outer Sheath

Rubber 5GM3 type elastomer

Sheath Colour

● Black

STANDARDS

DIN VDE 0250-1/814, DIN VDE 0298-3, DIN VDE 0472-501/502/503/508, DIN VDE 0472-401/402, DIN VDE 0472-602/618, DIN VDE 0472-803/804, VDE 0298-3 T3, VDE 0298-4, VDE 0298-308

Oil Resistant to IEC/EN 60811-2-1
Flame Retardant to IEC/EN 60332-1-2
UV/Ozone Resistant
Abrasion Resistant

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/86/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM OUTER DIAMETER mm	MAXIMUM OUTER DIAMETER mm	NOMINAL CABLE WEIGHT kg/km
B5Q3+3016	3± %	16 + 3x 2.5	22.8	25.9	1200
B5Q3+3016S	3± %	16 + 3x 16	27.8	30.8	1630
B5Q3+3025	3± %	25 + 3x 4	25.7	29.0	1610
B5Q3+3025S	3± %	25 + 3x 16	30.9	33.9	2070
B5Q3+3035	3± %	35 + 3x 10	29.6	32.8	2300
B5Q3+3035S	3± %	35 + 3x16	33.1	36.1	2450
B5Q3+3050	3± %	50 + 3x25	38.6	41.6	2740
B5Q3+3070S	3± %	70 + 3x 10	41.4	44.6	4100
B5Q3+3095S	3± %	95 + 3x 16	45.2	48.2	5040
B5Q040040	4	4	15.0	18.0	495
B5Q040060	4	6	17.2	20.2	700
B5Q04010	4	10	19.9	23.0	940

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.