Drinking Water Cable 800 metres- 1.5mm² to 500mm²



Description

This drinking water cable which is often called a submersible pump cable, is a durable, waterproof electrical cable designed to power pumps which are permanently submerged in water, especially for drinking water systems. The cable is constructed with class 5 flexible copper conductors, EPR insulation and a special XLPE outer sheath. The cable is resistant to water, chemicals, and abrasions

Rated AD8 for water resistance and designed for permanent submersible use in deep wells, boreholes, and industrial clean water installations. The cable is suitable for installation at depths up to 800 meters. Drinking water cable has WRAS approval (Water Regulations Advisory Scheme) and meets standards like ACS, KTW, ensuring it's safe for contact with potable (drinking) water.

It is generally used for standard submersible pumps for drinking water, depuration and chlorination systems, electrical installations in manufacturing, processing and preserving systems of drinks and foodstuff, swimming pool lightings, and other water treatment operation and is specifically designed and approved for contact with drinking water as it does not support microbial growth, or affect the taste, appearance, transparency or colour of water.

Key Features

Submersible
Submersible to 800 metres

Voltage Rating
600/1000 Volts

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexing: 6 x overall diameter

Temperature Limits
Temperature Range: -25°C to +90°C

Core Colours

3 core: Blue | Brown | Green Yellow

4 core: Brown | Black | Grey | Green Yellow

5 core: Blue | Brown | Black | Grey | Green Yellow

Standards

- BS EN 50525-2-21
- VDE 0207 PT20
- BS EN 50363-2-1
- BS EN/IEC 60228
- BS EN 50363-1
- BS EN/IEC 60811-100
- BS EN/IEC 60811-403

Construction

- **Conductor**: Class 5 Flexible Tinned Copper
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Outer Sheath**: Cross-linked elastomer
- **Sheath Colour**: Blue

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

Drinking Water Cable 800 metres- 1.5mm² to 500mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
DRINK8001X1/5	1.5	1	33	5.50	35
DRINK8003X1/5	1.5	3	56	9.30	110
DRINK8004X1/5	1.5	4	62	10.30	140
DRINK8001X2/5	2.5	1	37	6.10	60
DRINK8003X2/5	2.5	3	64	10.60	180
DRINK8004X2/5	2.5	4	72	11.90	200
DRINK8001X4	4	1	42	7.00	70
DRINK8003X4	4	3	71	11.80	220
DRINK8004X4	4	4	80	13.20	265
DRINK8001X6	6	1	47	7.80	100
DRINK8003X6	6	3	78	13.00	300
DRINK8004X6	6	4	88	14.60	380
DRINK8001X10	10	1	56	9.30	150
DRINK8003X10	10	3	101	16.70	480
DRINK8004X10	10	4	113	18.80	635
DRINK8001X16	16	1	62	10.20	210
DRINK8003X16	16	3	115	19.10	680
DRINK8004X16	16	4	126	21.00	880
DRINK8001X25	25	1	70	11.60	305
DRINK8003X25	25	3	142	23.60	1000
DRINK8004X25	25	4	157	26.10	1310
DRINK8001X35	35	1	80	13.20	380
DRINK8003X35	35	3	159	26.40	1335
DRINK8004X35	35	4	176	29.20	1725
DRINK8001X50	50	1	92	15.20	580
DRINK8003X50	50	3	188	31.20	1890
DRINK8004X50	50	4	209	34.70	2490
DRINK8001X70	70	1	106	17.60	790
DRINK8003X70	70	3	216	35.90	2630
DRINK8004X70	70	4	239	39.80	3415
DRINK8001X95	95	1	118	19.60	1030
DRINK8003X95	95	3	242	40.20	3230
DRINK8004X95	95	4	273	45.40	4475
DRINK8001X120	120	1	133	22.10	1305
DRINK8003X120	120	3	275	45.70	4120
DRINK8004X120	120	4	304	50.60	5615
DRINK8001X150	150	1	145	24.10	1600
DRINK8003X150	150	3	303	50.40	5120

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
DRINK8004X150	150	4	337	56.10	6995
DRINK8001X185	185	1	161	26.70	1980
DRINK8003X185	185	3	332	55.20	6200
DRINK8004X185	185	4	370	61.40	8470
DRINK8001X240	240	1	179	29.80	2560
DRINK8003X240	240	3	372	62.00	7850
DRINK8004X240	240	4	412	68.60	10900
DRINK8001X300	300	1	198	32.90	3190
DRINK8003X300	300	3	414	69.00	10050
DRINK8001X400	400	1	220	36.60	4060
DRINK8001X500	500	1	250	41.60	5000

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