Drinking Water Cable 600 metres - 1.5mm² to 300mm²



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 abrasion.

It is 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 600 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 600 metres

Voltage Rating
450/750 Volts

Minimum Bending Radius
5 x Overall Diameter

Temperature Limits
Fixed: -40°C to +90°C
Flexed: -25°C to +90°C

Core Colours

1 core: Black

2 core: Blue, Brown

3 core: Blue, Brown, Green Yellow

4 core: Brown, Black, Grey, Green Yellow

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

Standards

- BS EN 50363-1
- VDE 0207 PT20
- BS EN 50363-2-1
- BS EN/IEC 60228
- BS EN 50525-2-21
- 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 polyethylene (XLPE)
- **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 600 metres - 1.5mm² to 300mm² - Dimensions

Reference	Maximum Tensile Load (N)	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
DRINK6001X1/5	23	1.5	1	33	5.70	6.60	45
DRINK6002X1/5	45	1.5	2	50	9.00	10.00	110
DRINK6003X1/5	65	1.5	3	54	9.60	10.70	140
DRINK6004X1/5	90	1.5	4	59	10.70	11.80	170
DRINK6001X2/5	38	2.5	1	34	5.90	6.80	55
DRINK6002X2/5	75	2.5	2	94	10.70	11.80	160
DRINK6003X2/5	115	2.5	3	63	11.50	12.60	190
DRINK6004X2/5	150	2.5	4	70	12.70	13.90	245
DRINK6001X4	60	4	1	38	6.50	7.50	75
DRINK6002X4	120	4	2	66	12.10	13.20	210
DRINK6003X4	180	4	3	71	13.00	14.20	255
DRINK6004X4	240	4	4	78	14.30	15.60	320
DRINK6001X6	90	6	1	42	7.40	8.40	100
DRINK6002X6	180	6	2	74	13.50	14.80	280
DRINK6003X6	270	6	3	80	14.50	15.90	360
DRINK6004X6	360	6	4	88	16.30	17.60	435
DRINK6001X10	150	10	1	49	8.60	9.70	150
DRINK6002X10	300	10	2	99	18.20	19.80	490
DRINK6003X10	450	10	3	106	19.60	21.20	810
DRINK6004X10	600	10	4	118	21.40	23.60	770
DRINK6001X16	245	16	1	56	9.90	11.10	210
DRINK6002X16	480	16	2	113	20.40	22.60	670
DRINK6003X16	720	16	3	122	22.00	24.40	845
DRINK6004X16	960	16	4	133	24.10	26.50	1050
DRINK6001X25	375	25	1	66	11.80	13.10	315
DRINK6002X25	750	25	2	134	24.30	26.80	970
DRINK6003X25	1125	25	3	144	26.20	28.80	1220
DRINK6004X25	1500	25	4	159	29.10	31.80	1560
DRINK6001X35	525	35	1	72	12.80	14.30	410
DRINK6003X35	1125	35	3	144	26.20	28.80	1220
DRINK6004X35	2100	35	4	174	32.00	34.80	2000
DRINK6001X50	750	50	1	86	15.60	17.20	590
DRINK6003X50	2250	50	3	183	33.80	36.50	2215
DRINK6004X50	3000	50	4	212	39.10	42.30	2970
DRINK6001X70	1050	70	1	97	17.70	19.40	790
DRINK6003X70	3150	70	3	204	37.80	40.80	2920
DRINK6004X70	4200	70	4	230	42.20	45.90	3780

Reference	Maximum Tensile Load (N)	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
DRINK6001X95	1425	95	1	114	20.70	22.70	1050
DRINK6003X95	4275	95	3	237	43.40	47.40	3840
DRINK6004X95	5700	95	4	265	48.90	52.90	4975
DRINK6001X120	1800	120	1	122	22.10	24.30	1275
DRINK6003X120	5400	120	3	258	47.50	51.50	4745
DRINK6004X120	7200	120	4	287	53.00	57.30	6090
DRINK6001X150	2250	150	1	131	24.00	26.10	1570
DRINK6003X150	6750	150	3	281	51.70	56.20	5880
DRINK6004X150	9000	150	4	314	57.70	62.70	7580
DRINK6001X185	2775	185	1	152	28.00	30.30	1990
DRINK6003X185	7325	185	3	307	56.30	61.30	7090
DRINK6004X185	11100	185	4	343	63.00	68.60	9190
DRINK6001X240	3600	240	1	169	31.00	33.70	1500
DRINK6001X300	4500	300	1	186	34.20	37.20	3125

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.