

Flat Drinking Water Cable 600 metres - 4mm² to 185mm²



Description

This flat 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 features a flat profile for easy installation in narrow casings. 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
4 x flat height



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 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 polyethylene (XLPE)
- **Sheath Colour:** Blue

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



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.



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.



Flat Drinking Water Cable 600 metres - 4mm² to 185mm² - Dimensions

Reference	Maximum Tensile Load (N)	Conductor Size (mm ²)	No Of Cores	Minimum Bending Radius	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
DRINK600FLAT4X4	240	4	4	36	8.00 X 23.00	9.00 X 24.00	240
DRINK600FLAT3X6	270	6	3	34	7.50 X 17.50	8.50 X 18.50	300
DRINK600FLAT4X6	360	6	4	36	8.40 X 24.40	9.50 X 25.60	440
DRINK600FLAT3X10	450	10	3	40	9.90 X 22.90	10.90 X 23.90	495
DRINK600FLAT4X10	600	10	4	40	10.00 X 29.50	11.00 X 30.50	640
DRINK600FLAT3X16	720	16	3	48	12.00 X 28.00	13.00 X 29.00	740
DRINK600FLAT4X16	960	16	4	48	12.00 X 34.50	13.00 X 35.50	940
DRINK600FLAT3X25	1125	25	3	56	14.00 X 33.00	15.00 X 34.00	1070
DRINK600FLAT4X25	1500	25	4	63	15.70 X 42.00	17.20 X 43.50	1500
DRINK600FLAT3X35	1575	35	3	64	16.00 X 37.00	17.50 X 38.70	1430
DRINK600FLAT4X35	2100	35	4	75	18.60 X 48.60	19.50 X 49.90	1990
DRINK600FLAT3X50	2250	50	3	74	18.40 X 44.00	20.00 X 45.90	2000
DRINK600FLAT4X50	3000	50	4	78	19.40 X 56.70	20.20 X 57.70	2650
DRINK600FLAT3X70	3150	70	3	82	20.30 X 50.60	21.90 X 52.60	2680
DRINK600FLAT4X70	4200	70	4	96	24.00 X 65.30	24.90 X 66.80	3720
DRINK600FLAT3X95	4275	95	3	92	23.00 X 57.00	24.00 X 58.00	3370
DRINK600FLAT4X95	5700	95	4	97	24.20 X 73.80	26.40 X 74.30	4680
DRINK600FLAT3X120	5400	120	3	101	25.10 X 62.10	25.90 X 63.00	4160
DRINK600FLAT4X120	7200	120	4	102	25.20 X 73.00	25.60 X 75.00	5260
DRINK600FLAT3X150	6750	150	3	336	26.80 X 67.20	27.60 X 68.00	5090
DRINK600FLAT3X185	8325	185	3	115	28.60 X 72.60	29.40 X 73.40	6110

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