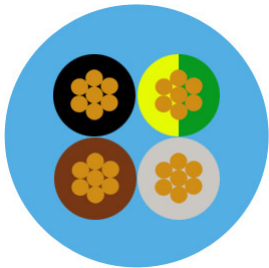


## DRINKING WATER CABLE



### APPLICATION

This cable is designed for the operation of submersible pumps for drinking water, fishponds, swimming pools and in electrical installations in the food and drink manufacturing industry. They are designed for permanent immersion and are non toxic and water proof. Flatform version available on request.

### CABLE STANDARDS

WRAS approved to BS6920

HD22.12.S1

### CONSTRUCTION

**Conductor:** Plain Annealed flexible Copper Conductors

**Insulation:** Ethylene Propylene Rubber (EPR) compound

**Sheath:** Cross Linked EPDM sheath and Jacket

### CHARACTERISTICS

**Voltage Rating:** 450/750 Volts

**Temperature Limits:** Fixed -40°C to +80°C

**Minimum Bending Radius:** As per cable manufacturer datasheet

### CORE IDENTIFICATION

**2 Core:** Brown Blue

**3 Core:** Brown Blue G/Y

**4 Core:** Brown Black Grey G/Y

Should not be installed at temperatures below 0°C or above +40°C

## DRINKING WATER CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)
DRINK3X1/5R	1.5	30/0.2	3	96	10
DRINK4X1/5R	1.5	30/0.25	4	125	11.5
DRINK3X2/5R	2.5	50/0.25	3	148	12
DRINK4X2/5R	2.5	50/0.25	4	191	13.5
DRINK1X4	4	56/0.3	1	67	6.9
DRINK3X4R	4	56/0.3	3	210	13.8
DRINK4X4R	4	56/0.3	4	265	15.2
DRINK1X6	6	84/0.3	1	92	7.68
DRINK3X6R	6	84/0.3	3	290	15.5
DRINK4X6R	6	84/0.3	4	372	17.1
DRINK1X10	10	80/0.4	1	136	9.02
DRINK3X10R	10	80/0.4	3	500	21
DRINK4X10R	10	80/0.4	4	635	23
DRINK1X16	16	126/0.4	1	197	10.18
DRINK3X16R	16	126/0.4	3	603	24
DRINK4X16R	16	126/0.4	4	900	26
DRINK1X25	25	196/0.4	1	302	12.25
DRINK3X25R	25	196/0.4	3	1060	28
DRINK4X25R	25	196/0.4	4	1380	31.1
DRINK1X35	35	276/0.4	1	415	14.1
DRINK3X35R	35	276/0.4	3	1415	33
DRINK4X35R	35	276/0.4	4	1835	35.1
DRINK1X50	50	396/0.4	1	565	15.9
DRINK3X50R	50	396/0.4	3	1960	37
DRINK4X50R	50	396/0.4	4	2545	40
DRINK1X70	70	360/0.5	1	755	18.15
DRINK1X95	95	457/0.5	1	998	20.66

## DRINKING WATER CABLE – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM <sup>2</sup>	CURRENT CARRYING CAPACITY FOR AMBIENT TEMPERATURE OF 30°C AND CONDUCTOR HEATED AT 90°C		VOLTAGE DROP MV/AM		
	IN AIR (AMPS)	IN CONDUIT (AMPS)	r	x	z
1.5	30	15			
2.5	41	21			
4	55	29			
6	70	37			
10	98	52			
16	132	70			
25	176	93	1.55	0.15	1.55
35	218	115	1.10	0.15	1.15
50	276	146	0.83	0.145	0.84
70	347	185	0.57	0.14	0.58
95	416	221	0.42	0.135	0.44

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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.