

FEATURES

Cables that are certified ACS for drinking water have a flexible thermoplastic sleeve. The water temperature for these should be between 0°C and 140°C.

Cables not certified for drinking water have a flexible rubber sleeve and can be used in water temperature of min 0°C and max 60°C.

Attention:

The standard submersible pumps in our range can be used only in cold water at 3°C to 30°C. For all other applications, please enquire.

IMMERSON CABLES

Special Immerson cables

OVERVIEW OF THE DIFFERENT CABLES

• For extending the motor cable (sold by the metre)



Appropriate for drinking water.

Cable of 3 or 4 copper cores flexible, certified ACS04 ACC LI021, NFC 15- 100 AD8, BS 6920, IEC 60332-1



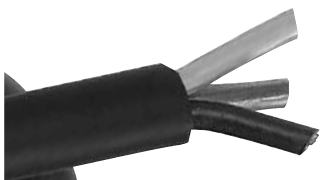
Appropriate for non-drinking water.

Cable of 3 or 4 copper cores flexible, meeting standards DIN VDE 0298 Part 3000 and DIN VDE 0282 Part 810



Earth cable usable for drinking water.

Single-core cable certified ACS04 ACC LI021, NFC 15-100 AD8, BS 6920, IEC 60332-1



For extending the cable attached to a heat sensor PT100 (on demand)

Non-drinking water (usable only on 6" and 8" motors). Sold by the metre



Flat motor cable

Drinking water, fitted with connectors at each end (one for connexion to the motor, the other for connexion to the QC extension cable) Appropriate for 1-230V and 3-400V, certified ACS. Choice of 1.5m and 2.5m.



IMMERSON CABLES

CHOOSE THE SIZE OF THE CABLE ACCORDING TO THE LENGTH DESIRED

• Direct starting 1~230V/50Hz

Cable cross-section 3 x n mm²

kW	1,5	2,5	4	6	10	16	25	35	50	70	95
0,25	190	320	510	770	126	197	296	399	534	697	875
0,37	120	210	330	500	820	129	195	264	356	468	591
0,55	80	140	230	350	580	900	136	183	245	321	402
0,75	60	110	180	270	440	690	105	143	193	255	323
1,1	40	70	120	190	310	490	750	102	139	186	238
1,5	30	60	100	150	250	400	620	850	118	159	207
2,2	20	40	60	100	170	270	410	560	770	103	132
3,7	-	-	40	60	110	170	260	370	520	710	930

• Direct starting 3~400V/50Hz or 3~380V/60Hz

Cable cross-section 4 x n mm²

kW	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
2,2	120	199	317	472	775	-	-	-	-	-	-	-	-	-	-	-	-
3	90	154	245	364	598	-	-	-	-	-	-	-	-	-	-	-	-
4	69	114	182	271	444	685	-	-	-	-	-	-	-	-	-	-	-
5,5	50	83	130	197	324	509	-	-	-	-	-	-	-	-	-	-	-
7,5	40	66	105	156	257	404	616	-	-	-	-	-	-	-	-	-	-
11	-	45	72	107	176	278	423	577	-	-	-	-	-	-	-	-	-
15	-	-	-	80	132	208	317	452	595	-	-	-	-	-	-	-	-
18	-	-	-	65	107	168	256	348	481	645	-	-	-	-	-	-	-
22	-	-	-	-	90	142	215	295	407	545	704	-	-	-	-	-	-
30	-	-	-	-	-	108	164	223	306	408	522	622	-	-	-	-	-
37	-	-	-	-	-	86	131	179	248	335	434	524	623	-	-	-	-
45	-	-	-	-	-	-	112	152	209	279	358	426	502	580	-	-	-
55	-	-	-	-	-	-	-	124	170	228	293	351	414	481	571	-	-
75	-	-	-	-	-	-	-	-	129	173	223	267	316	367	437	500	583
93	-	-	-	-	-	-	-	-	-	134	172	205	241	279	330	375	433
110	-	-	-	-	-	-	-	-	-	-	145	174	205	237	281	320	370

• Star/delta starting 3~400V/50Hz or 3~380V/60Hz

Cable cross-section 4 x n mm²

kW	1,5	2,5	4	6	10	16	25	35	50	70	90	120	150
2,2	180	299	476	708	1163	-	-	-	-	-	-	-	-
3	135	231	368	546	897	-	-	-	-	-	-	-	-
4	104	171	273	407	666	1028	-	-	-	-	-	-	-
5,5	75	125	195	296	486	764	-	-	-	-	-	-	-
7,5	60	99	158	234	386	606	924	-	-	-	-	-	-
11	-	68	108	161	264	417	635	866	-	-	-	-	-
15	-	-	-	120	198	312	476	678	893	-	-	-	-
18,5	-	-	-	98	161	252	384	522	722	968	-	-	-
22	-	-	-	-	135	213	323	443	611	818	1056	-	-
30	-	-	-	-	-	162	246	335	459	612	783	933	-
37	-	-	-	-	-	129	197	269	371	503	651	786	935

Attention: Cables and connexion must be completely immersed !

IMMERSON CABLES

OR EXTENDING A SUBMERGED PUMP CABLE

• With heat-shrunk junctions or junction boxes

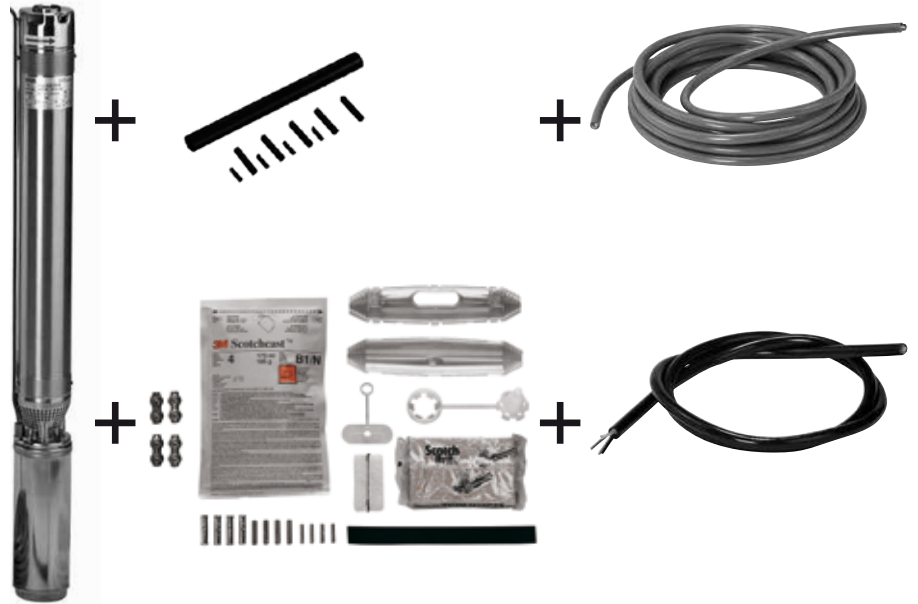
This solution is cheap, the hydraulics and the motor do not need dismantling, and the cables can be extended by the metre.

Appropriate for drinking water. ROUND cable of 3 or 4 flexible copper wires, certified ACS.

Appropriate for non-drinking water. ROUND cable of 3 or 4 flexible copper wires.

Attention: the diameter should be chosen according to the desired length of cable.

Suitable for 3, 4, 6, 8 and 10-inch pumps, the join must be made by a qualified electrician.



• With the Quick Connect (QC) system



The Franklin connection kit can be ordered
Article 4087148



This solution is cheap, the hydraulics and the motor do not need dismantling, and it is fast and simple.

The cable is delivered with the accessories needed to lower the pump into the sump (propylene rope of the same length as the cable) and to fix the cable to the pipework (recommended every 1.5m).

Suitable for Franklin 4-inch electric motors only



10m
30m
50m
80m
100m



The motor cable can be ordered fitted with a QC plug. (only suitable for Franklin 4-inch electric motors). 1.5m or 2.5m, items 4096206 or 4090207

IMMERSON CABLES

CABLE EXTENSION FOR SUBMERSIBLE PUMP

• With the FLAT motor cable 4x1.5mm² kit

This solution is cheap, the hydraulics and the motor do not need dismantling, and it can be extended by the metre.

To replace the 1.5m motor cable (standard on the Franklin electric 4-inch motors) with a longer motor cable.

Suitable for Franklin 4-inch electric motors only



15m	Article 65721
25m	Article 65722
35m	Article 65723
45m	Article 65724

CABLES AND JUNCTIONS

• Cables certified ACS for drinking water

Article-No.	Cross-section (number of wires per mm ²)
18156	4 x 1,5
18157	4 x 2,5
18158	4 x 4
18159	4 x 6
18160	4 x 10
18161	4 x 16
4064119	3 x 1,5
4093842	3 x 2,5
4093843	3 x 4
4093844	3 x 6
4093845	3 x 10
4093846	3 x 16
4075939	1G25

Article no 4075939 : earth cable

• Cables not certified ACS

Article-No.	Cross-section (number of wires per mm ²)
4094680	4 x 4
4094676	4 x 10
4094668	4 x 16
4046682	4 x 25
4046684	4 x 35
4051974	4 x 50
4093847	4 x 70
4093848	4 x 95
4093849	4 x 120
4093850	3 x 25
4093851	3 x 35
4093852	3 x 50
4093853	3 x 70
4094669	4 x 1

Article no 4094669 : câble pour sonde PT100

• QC motor cable kit

Article-No.	Cross-section (number of wires per mm ²)
4096206	4x1,5mm ² flat 1,5m
4096207	4x1,5mm ² flat 2,5m

These cables are only for use on 4-inch Franklin brand electric motors for the IMMERSON D4, IS4 and certain IC6s.