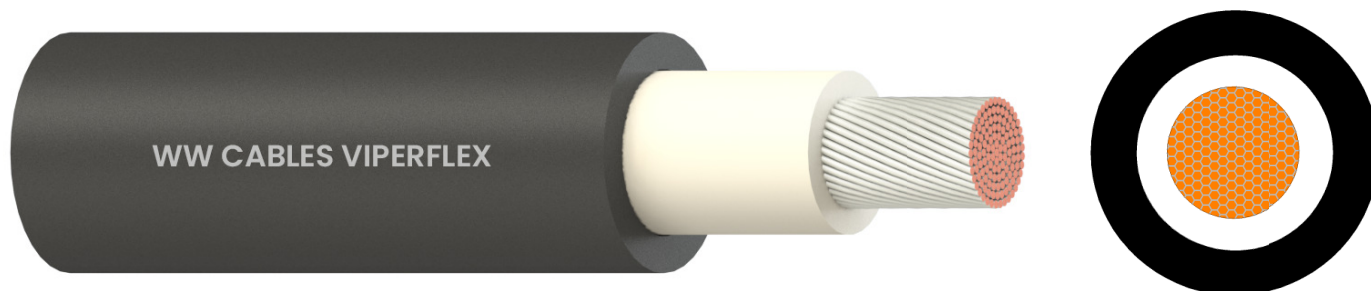




## 1C EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu



Note: The above drawing is for representation purpose only.

### Description

Conductor:

Class 5 Flexible Tinned Annealed Copper

Insulation:

EPR

Sheath:

CPE

### Core Identification

White

### Sheath Colour

Black

### Technical Data

Voltage Rating:

0.6/1kV

Operating Temperature:

-40°C to +90°C

Short Circuit Temperature:

250°C for 5 sec

### Standards Compliance

AS/NZS 5000.1

AS/NZS 3808

AS/NZS 1125

AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

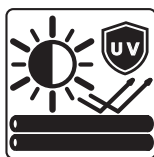
### Characteristics



SUBMERSIBLE



FLAME RETARDANT



UV STABILISED



-40°C ~ +90°C



FLEXIBLE

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## 1C EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu

### Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm <sup>2</sup> )	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
					During Installation	After Installation	
*SM7806ERTC-BK	6	3.09	1.0	8.4	69	37	118
*SM7810ERTC-BK	10	4.36	1.2	10.5	87	46	179
*SM7816ERTC-BK	16	5.44	1.2	11.8	97	52	253
*SM7825ERTC-BK	25	6.88	1.4	14.1	116	62	374
*SM7835ERTC-BK	35	8.59	1.4	16.2	134	71	490
*SM7850ERTC-BK	50	10.38	1.6	19.0	157	84	679
*SM7870ERTC-BK	70	11.68	1.6	20.6	170	91	904
*SM7895ERTC-BK	95	13.51	1.8	23.4	193	103	1204
*SM7812ERTC-BK	120	15.37	1.8	25.7	212	113	1478
*SM7815ERTC-BK	150	16.4	2.0	27.5	227	121	1834
*SM7818ERTC-BK	185	18.3	2.2	30.4	251	134	2245
*SM7824ERTC-BK	240	20.8	2.4	34.0	281	150	2875
*SM7830ERTC-BK	300	23.2	2.6	37.5	309	165	3559

\*These cables are non-stocked items subject to lead times.

Conductor Size (mm <sup>2</sup> )	†Current-carrying capacity (A)			Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Reactance at 50Hz (Trefoil) (Ω/km)
	In Air Touching Flat	In Air Enclosed	In Ground Enclosed		
6	46	41	49	3.39	0.129
10	64	55	66	1.95	0.116
16	85	73	85	1.24	0.109
25	114	94	109	0.795	0.104
35	141	118	134	0.565	0.0991
50	178	144	163	0.393	0.0964
70	225	183	203	0.277	0.0917
95	271	214	237	0.210	0.0905
120	322	256	279	0.164	0.0872
150	372	291	316	0.132	0.0870
185	427	334	357	0.108	0.0862
240	514	391	416	0.0817	0.0849
300	591	458	479	0.0654	0.0842

†Based on trefoil formation, ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W.

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