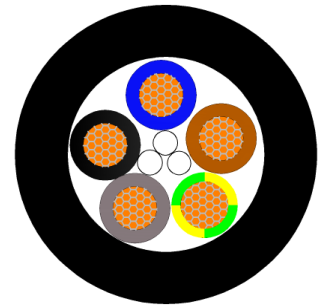
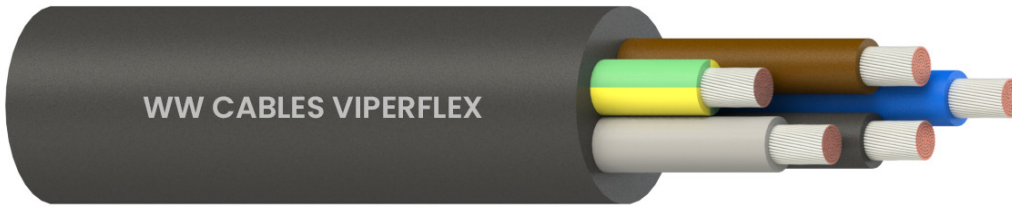




4C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu



Note: The above drawing is for representation purpose only.

Description

Conductor:	Class 5 Flexible Tinned Annealed Copper
Insulation:	EPR
Sheath:	CPE

Core Identification

Brown, Blue, Black, Grey, Green/Yellow

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 1125
AS/NZS 3808	AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)
VDE 0293-308	

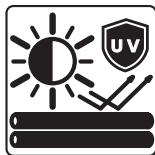
Characteristics



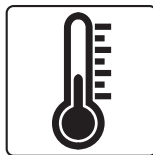
SUBMERSIBLE



FLAME RETARDANT



UV STABILISED



-40°C ~ +90°C



FLEXIBLE

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4C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu

Physical Characteristics

WWC Product Code	Conductor Size (mm ²)	Conductor Diameter (mm)	Insulation Thickness (mm)	Earth Conductor Size (mm ²)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
						During Installation	After Installation	
*SM5011ERTC	1	1.26	1.0	1	12.2	95	51	209
5015ERTC	1.5	1.55	1.0	1.5	13.4	104	56	260
5025ERTC	2.5	1.97	1.0	2.5	14.9	116	62	379
5040ERTC	4	2.54	1.0	4	16.9	131	70	543
5060ERTC	6	3.09	1.0	6	19.0	146	78	715
5100ERTC	10	4.36	1.2	10	25.9	202	108	1216
5160ERTC	16	5.44	1.2	16	29.4	228	122	1699
5250ERTC	25	6.88	1.4	25	35.3	276	147	2509
5350ERTC	35	8.59	1.4	35	42.0	330	176	3265
5500ERTC	50	10.38	1.6	50	49.1	383	204	4521
5700ERTC	70	11.68	1.6	70	53.4	416	222	5972
*SM5095ERTC	95	13.51	1.8	95	60.8	479	255	7948
*SM5200ERTC	120	15.37	1.8	120	66.8	524	279	9713
*SM5150ERTC	150	17.31	2.0	150	74.1	578	308	12047
*SM5185ERTC	185	18.51	2.2	185	79.6	627	334	14747
*SM5240ERTC	240	21.51	2.4	240	90.7	710	379	18853
*SM5300ERTC	300	23.79	2.6	300	99.5	776	414	23316

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

Electrical Characteristics

Conductor Size (mm ²)	*Current-carrying capacity (A)			Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Reactance at 50Hz (Ω/km)
	In Air Touching	In Air Enclosed	In Ground Enclosed		
1	15	14	17	20.0	0.136
1.5	19	17	21	13.7	0.127
2.5	26	23	28	8.21	0.118
4	34	29	36	5.09	0.108
6	43	37	45	3.39	0.103
10	61	52	62	1.95	0.0936
16	81	67	79	1.24	0.0887
25	108	89	103	0.795	0.0871
35	135	111	127	0.565	0.0839

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4C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu

Electrical Characteristics

Conductor Size (mm ²)	+Current-carrying capacity (A)			Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Reactance at 50Hz (Ω/km)
	In Air Touching	In Air Enclosed	In Ground Enclosed		
50	170	136	155	0.393	0.0832
70	214	173	193	0.277	0.0800
95	256	202	226	0.210	0.0796
120	303	242	266	0.164	0.0774
150	348	274	300	0.132	0.0775
185	396	314	339	0.108	0.0771
240	472	379	402	0.0817	0.0764
300	539	-	452	0.0654	0.0761

+Based on 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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