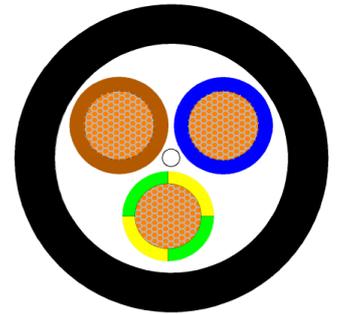




2C+E EPR Insulated H07 Submersible Rubber Cables 0.6/1kV, Flexible Cu



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, 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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2C+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	
3010ERTC	1	1.26	1.0	1	10.0	79	42	130
3015ERTC	1.5	1.55	1.0	1.5	11.0	86	46	160
3025ERTC	2.5	1.97	1.0	2.5	12.3	96	51	231
3040ERTC	4	2.54	1.0	4	13.7	107	57	328
3060ERTC	6	3.09	1.0	6	15.3	119	63	430
*SM3100ERTC	10	4.36	1.2	10	21.9	172	92	748
*SM3160ERTC	16	5.44	1.2	16	24.6	192	102	1035
*SM3250ERTC	25	6.88	1.4	25	29.2	227	121	1516
*SM3350ERTC	35	8.59	1.4	35	33.5	263	140	1963
*SM3500ERTC	50	10.38	1.6	50	39.0	304	162	2705
*SM3700ERTC	70	11.68	1.6	70	42.4	333	178	3558
*SM3950ERTC	95	13.51	1.8	95	48.2	377	201	4721
*SM3120ERTC	120	15.37	1.8	120	54.2	422	225	5757
*SM3150ERTC	150	17.31	2.0	150	60.0	473	252	7127
*SM3185ERTC	185	18.51	2.2	185	64.5	506	270	8712
*SM3240ERTC	240	21.51	2.4	240	73.2	572	305	11119
*SM3300ERTC	300	23.79	2.6	300	80.2	632	337	13733

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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	18	16	20	20.0	0.136
1.5	23	20	25	13.7	0.127
2.5	30	27	33	8.21	0.118
4	40	35	43	5.09	0.108
6	51	44	54	3.39	0.103
10	72	62	74	1.95	0.0936
16	96	80	95	1.24	0.0887
25	128	106	124	0.795	0.0871
35	158	129	150	0.565	0.0839

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2C+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	199	163	186	0.393	0.0832
70	251	207	231	0.277	0.0800
95	300	242	271	0.210	0.0796
120	355	289	318	0.164	0.0774
150	408	328	360	0.132	0.0775
185	464	375	407	0.108	0.0771
240	554	439	475	0.0817	0.0764
300	633	511	544	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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