



S.M.C

1.6/1.0 (1.2) KV, Two-Core Cable, Armored, Sheathed CU / MGT / XLPE / LSZH / SWA / LSZH

Description:

Stranded copper conductor, Mica Glass tape & XLPE Insulated, Extruded LSZH bedding, round galvanized steel wire armored and LSZH outer sheathed cable.

Core Color: Red, Black-Sheath Color: Black

Standards:

Construction: BS 7846.

Testing

6387, BS EN / IEC60754, BS EN / IEC61034, IEC 60331,60332-3.

Installation Condition:

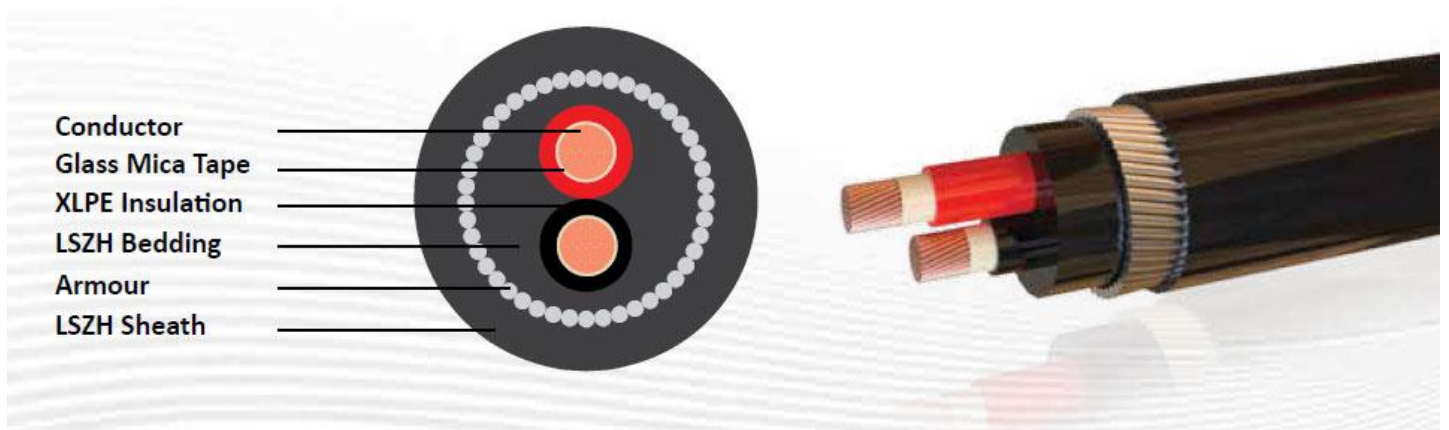
*In free air or on a perforated cable tray

*Ambient Air Temperature: 30°C

*Conductor operating Temperature: 90°C

•All conductors circular stranded or circular stranded compacted (class 2).

•Cable construction to other standard and other core/sheath color available upon request.





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Cable Size	Approx. Conductor Dia./Sect. Height	Approximate Diameter			Approx. Cable Weight	Standard Packing Length ($\pm 5\%$)	Maximum Conductor Resistance at 20°C	Current Rating in Free Air*
		Under Armor	Over Armor	Overall				
Sqmm	mm	mm	mm	mm	Kg/Km	Meter	Ohm/Km	A
1.5	1.55	8.8	10.6	13.2	330	1000	12.1	29
2.5	1.98	10.2	12.0	14.8	415	1000	7.41	39
4	2.52	11.2	13.0	15.8	480	1000	4.61	52
6	3.08	12.4	14.2	17	560	1000	3.08	66
10	3.8	13.8	15.6	18.6	705	1000	1.83	90
16	4.9	16.0	18.5	21.5	1030	1000	1.15	115
25	6.0	19.0	21.5	24.7	1365	1000	0.727	152
35	7.1	21.6	24.8	28.2	1880	1000	0.524	188
50	8.2	24.3	27.5	31.1	2105	500	0.387	228
70	9.8	28.1	31.3	35.1	2715	500	0.268	291



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95	11.4	31.5	35.5	39.5	3680	500	0.193	354
120	12.8	34.9	38.9	43.1	4375	500	0.153	410
150	14.2	38.7	42.7	47.1	5190	500	0.124	472
185	15.9	43.3	48.3	53.1	6670	250	0.0991	539
240	18.5	48.7	53.7	58.7	8175	250	0.0754	636
300	20.6	53.9	58.9	64.1	9810	250	0.0601	732
400	23.3	60.1	65.1	70.0	12065	200	0.0470	847