



S.M.C

1.6/1.0 (1.2) KV, SINGLE CORE CABLE, SHEATHED CU / MGT / XLPE / LSZH

Description:

Stranded Copper conductor, Mica Glass tape & XLPE Insulated and LSZH outer sheathed cable.

Core Color: Natural -Sheath Color: Black

Standards:

Construction: IEC 60502-1

Testing

IEC 60754, BS EN / IEC 61034, IEC 60331

Installation Condition:

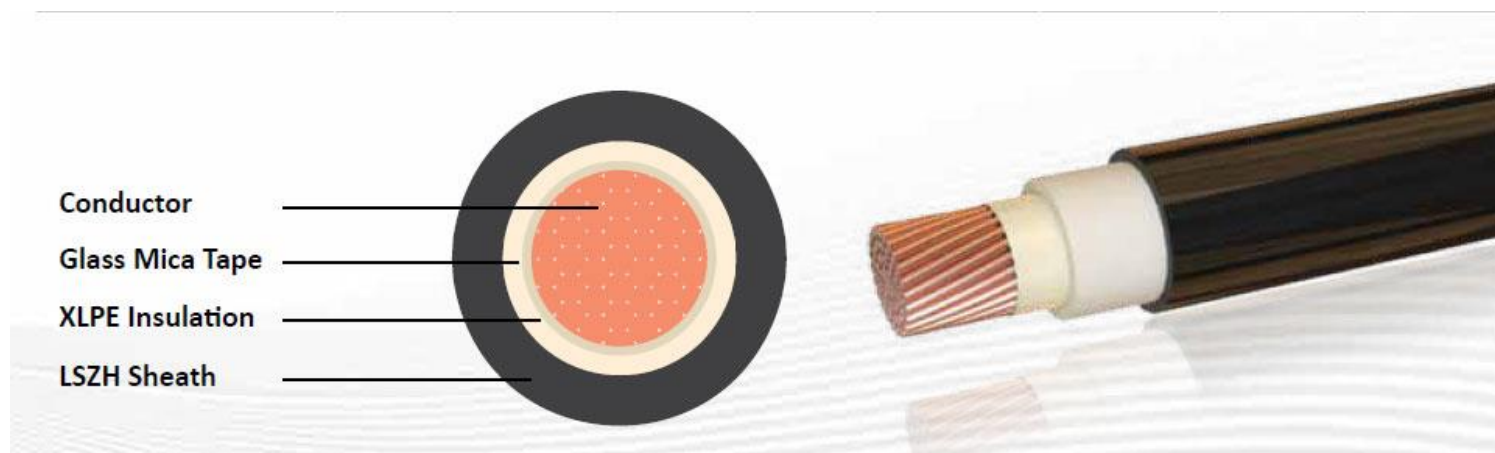
*1 Ph -- Clipped Direct, 3 Ph -- In free air or on perforated cable tray

*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 another core/sheath color available upon request.





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Cable size	Approx. Conductor Diameter	Approx. Overall Diameter	Approx. Cable Weight	Standard packing length (± 5%)	Maximum Conductor Resistance at 20°C	Current Rating (1Ph AC) *	Current Rating (3Ph AC) Trefoil*
Sq. mm	mm	Kg/Km	Kg/Km	Meter	Ohm/Km	A	A
1.5	1.55	6.6	60	100Y/M	12.1	25	-
2.5	1.98	7.1	70	100Y/M	7.41	34	-
4	2.52	7.6	90	100Y/M	4.61	46	-
6	3.08	8.2	115	100Y/M	3.08	59	-
10	3.8	8.9	155	100Y/M	1.83	81	-
16	4.9	10.0	220	1000	1.15	109	-
25	6.0	11.5	320	1000	0.727	143	135
35	7.1	12.6	415	1000	0.524	176	169
50	8.2	13.8	545	1000	0.387	228	207
70	9.8	15.7	750	1000	0.268	293	268
95	11.4	17.4	1010	500	0.193	355	328
120	12.8	19.1	1255	500	0.153	413	383



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150	14.2	21.2	1555	500	0.124	476	444
185	15.9	23.3	1910	500	0.0991	545	510
240	18.5	26.2	2465	500	0.0754	644	607
300	20.6	28.8	3065	500	0.0601	743	703
400	23.3	32.1	3935	500	0.0470	868	823
500	26.5	35.9	4965	250	0.0366	990	946
630	30.0	40.2	6315	250	0.0283	1130	1088