



S.M.C

1.6/1.0 (1.2) KV, Three-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, Yellow, Blue - Sheath Color: Black

Standards:

Construction: BS7846.

Testing

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

Installation Condition:

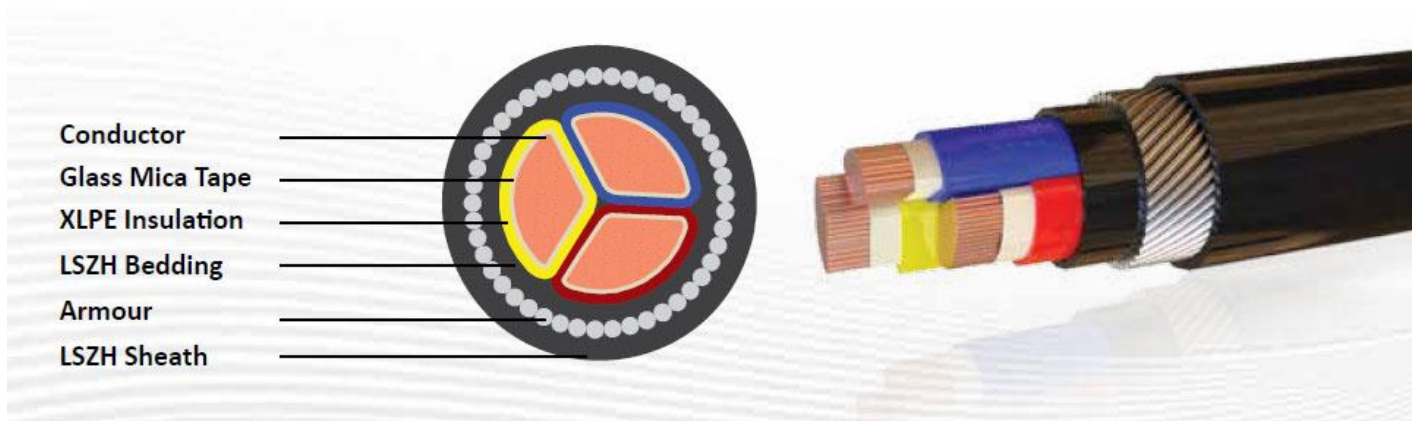
*In free air or on a perforated cable tray

*Ambient Air Temperature: 30°C

*Conductor operating Temperature: 90°C

•Conductors including 16 sq.mm circular shaped, 25 sq.mm and above sector shaped (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 (± 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	9.4	11.2	13.8	366	1000	12.1	25
2.5	1.98	10.9	12.7	15.5	455	1000	7.41	33
4	2.52	12.0	13.8	16.6	537	1000	4.61	44
6	3.08	13.3	15.1	17.9	640	1000	3.08	56
10	3.8	14.8	17.3	20.3	932	1000	1.83	78
16	4.9	17.2	19.7	22.9	1209	1000	1.15	99
25	4.8	18.2	21.4	24.8	1600	500	0.727	131
35	5.9	20.5	23.7	27.3	1980	500	0.524	162
50	7.2	23.7	26.9	30.5	2475	500	0.387	197
70	8.2	26.3	29.5	33.3	3200	500	0.268	251



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95	10.0	30.5	34.5	38.7	4410	500	0.193	304
120	11.4	33.9	37.9	42.3	5345	500	0.153	353
150	12.2	37.0	42.0	46.6	6760	500	0.124	406
185	13.8	41.3	46.3	51.1	8080	250	0.0991	463
240	16.3	47.0	52.0	57.2	10070	250	0.0754	546
300	17.9	51.2	56.2	61.6	12150	250	0.0601	628
400	20.8	58.2	63.2	69.0	15170	200	0.0470	728



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