



# S.M.C

## **1.6/1.0 (1.2) KV, Three-Core Cable, Non-Armored, Sheathed CU / MGT / XLPE / LSZH**

### Description:

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

Core Color: R Yellow, Blue - Sheath Color: Black

### Standards:

Construction: IEC 60502-1(FOR ALL SIZE), BS 8573 (UPTO 120 SQ.MM.)

### Testing

6387, BS EN / IEC60754, BS EN/ IEC61034, IEC 60331

### Installation Condition:

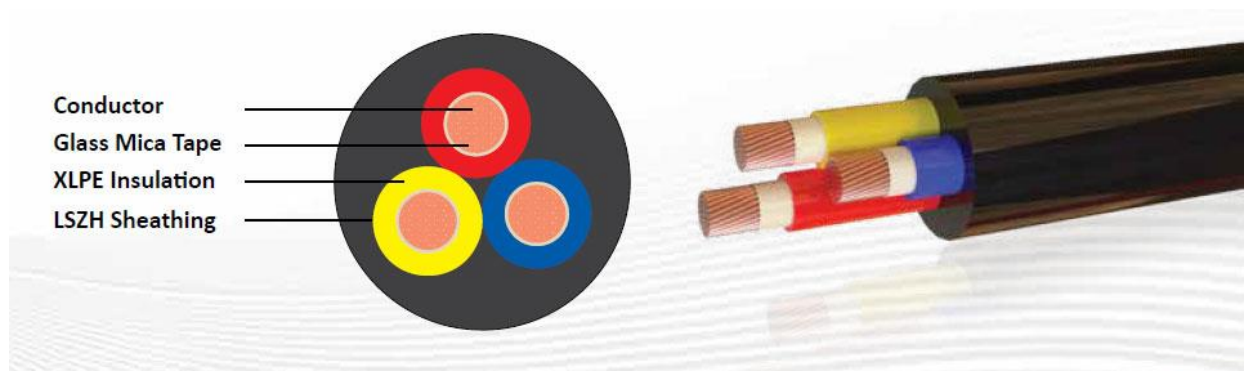
\*In free air or on a perforated cable tray

\*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 another core/sheath color available upon request.





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Cable size	Approx. Conductor Dia./Sect. Height	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length (± 5%)	Maximum Conductor Resistance at 20°C	Current Rating in Free Air*
Sqmm	mm	mm	Kg/Km	m	Ohm/Km	A
1.5	1.55	11.8	185	1000	12.1	23
2.5	1.98	12.9	230	1000	7.41	32
4	2.52	14.0	295	1000	4.61	42
6	3.08	15.3	375	1000	3.08	54
10	3.8	16.8	520	1000	1.83	75
16	4.9	19.2	730	1000	1.15	100
25	4.8	19.8	940	500	0.727	127
35	5.9	22.1	1235	500	0.524	158
50	7.2	25.3	1630	500	0.387	192
70	8.2	28.1	2260	500	0.268	246
95	10.0	32.1	3050	500	0.193	298
120	11.4	35.7	3835	500	0.153	346
150	12.2	38.8	4725	500	0.124	399
185	13.8	43.3	5834	250	0.0991	456
240	16.3	49.4	7540	250	0.0754	538
300	17.9	53.6	9365	250	0.0601	621
400	20.8	61.2	12040	200	0.0470	741