



S.M.C

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

Four-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 : Red Yellow, Blue & Black

- Sheath Color: Black

Standards:

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

Testing

6387, BS EN / IEC 60754, BS EN /IEC 61034, IEC 60331

Installation Condition:

*In free air or on a perforated cable tray

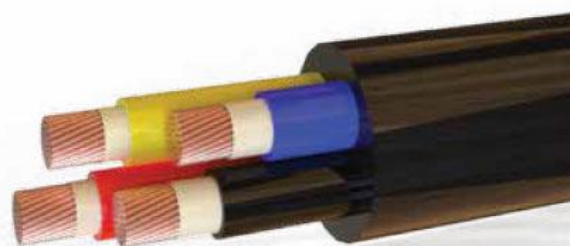
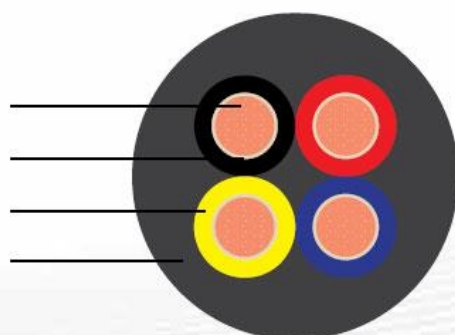
* Ambient Air Temperature: 30°C

*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.

Conductor
Glass Mica Tape
XLPE Insulation
LSZH Sheath





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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°	Current Rating in Free Air C
1.5	1.55	12.8	215	1000	12.1	23
2.5	1.98	14.0	270	1000	7.41	32
4	2.52	15.2	355	1000	4.61	42
6	3.08	16.7	455	1000	3.08	54
10	3.8	18.4	640	1000	1.83	75
16	4.9	21.0	905	1000	1.15	100
25	5.4	22.1	1220	500	0.727	127
35	6.8	25.3	1615	500	0.524	158
50	7.9	28.4	2150	500	0.387	192
70	9.2	32.0	2975	500	0.268	246
95	11.0	36.2	4010	500	0.193	298
120	12.2	39.8	5040	500	0.153	346
150	13.7	44.5	6215	500	0.124	399
185	15.3	49.4	7730	250	0.0991	456
240	17.2	54.5	9945	250	0.0754	538
300	19.2	59.9	12370	250	0.0601	621
400	21.8	67.2	15930	200	0.0470	741