



SPECIFICATION

for

0.6/1kV THOMFLEX-SIL(MC)6Y

Tech Spec No. : TCC-SPEC-109/2020

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Description : 0.6/1kV THOMFLEX-SIL(MC)6Y

Rated voltage : 0.6/1kV

Range of temp. : - 60 ~ 200℃ (Peak 230℃)

Construction**Conductor**

Tinned annealed high-conductivity copper
round bunch-stranded, Class 6

Insulation

FEP

Core identification

White cores with consecutive numbers
with a green core

Assembly

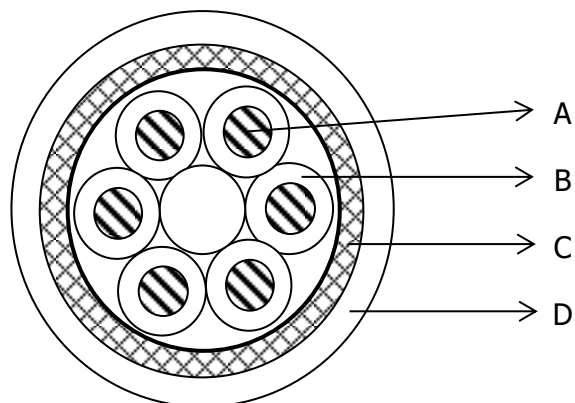
Required cores shall be assembled
with suitable binder

Shield

Tinned annealed copper wire braiding
(Min. cov. : 80%)

Sheath

HT-Silicone rubber, Reddish Brown

Drawingex) 6 x 1.5mm²

A : Conductor
B : Insulation
C : Shield
D : Sheath

Cable marking

- Marking method & Interval : White ink printing with max. 1,000mm interval

- Marking content

ex) 0.6/1kV THOMFLEX-SIL (MC) 6Y 6 x 1.5mm² THOMAS CABLE General marking

Construction & Electrical table

| No. of cores & cross-sectional area | Diameter of conductor | Thickness of insulation | Diameter of insulation | Thickness of sheath | Overall diameter | Conductor Resistance at 20℃ | Test voltage | Remark |
|--|-----------------------------|-------------------------------|------------------------------|---------------------------|---------------------|-----------------------------------|--------------------|---------------|
| (No. x mm ²) | (nom.) (mm) | (nom.) (mm) | (nom.) (mm) | (nom.) (mm) | (nom.) (mm) | (max.) (Ω/km) | (a.c) (kV/5min) | |
| 6 x 1.5 | 1.8 | 0.4 | 2.6 | 1.5 | 11.7 | 13.7 | 3.0 | IEC 60332-1-2 |
| 24 x 1.5 | 1.8 | 0.4 | 2.6 | 2.0 | 20.6 | | | |
| 4 x 2.5 | 2.2 | 0.4 | 3.1 | 1.5 | 11.4 | 8.2 | | |