




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

Tech Spec. No. : TCC-SPEC-249/2024  
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**Description : 0.6/1kV THOMFLEX-SIL(MC)6Y**

Rated voltage : 0.6/1kV

Range of temperature : - 60°C ~ 180°C (Up to 200°C)

## Construction

## Conductor

Tinned annealed copper  
round bunch-stranded, Class 5

## Insulation

FEP

## Core identification

6mm<sup>2</sup> : Black cores with consecutive numbers

4mm<sup>2</sup> : Black cores with consecutive numbers

### 1st Assembly (6mm<sup>2</sup>)

Required 6cores shall be assembled  
with suitable binder

### Inner shield

Tinned annealed copper wire braiding  
(cov. : 75%↑)

### Inner sheath

Silicone rubber, Reddish Brown

## 2nd Assembly

Required 6cores + 17cores shall be assembled  
with suitable binder

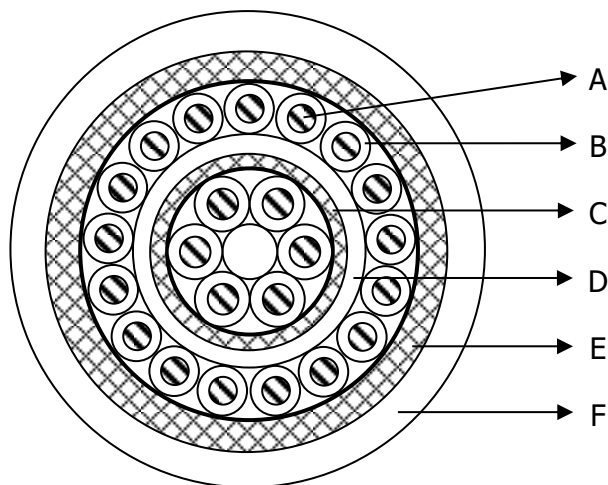
## Outer shield

Tinned annealed copper wire braiding  
(cov. : 75%↑)

## Outer sheath

Silicone rubber, Black

## Drawing



A : Conductor  
B : Insulation  
C : Inner shield  
D : Inner sheath  
E : Outer shield  
F : Outer sheath

## Cable marking

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

### - Marking content

0.6/1kV THOMFLEX-SIL (MC) 6Y 6 x 6mm<sup>2</sup> + 17 x 4mm<sup>2</sup> CE RoHS THOMAS CABLE General marking

Rated voltage : 0.6/1kV

Range of temperature : - 60°C ~ 180°C (Up to 200°C)

| No. of cores<br>&<br>cross-sectional<br>area | Diameter<br>of<br>conductor | Thickness<br>of<br>insulation | Thickness<br>of<br>inner<br>sheath | Thickness<br>of<br>outer<br>sheath | Overall<br>diameter | Conductor<br>resistance<br>at 20°C | Test<br>voltage    | Flame<br>restandant |
|--|-----------------------------|-------------------------------|------------------------------------|------------------------------------|---------------------|------------------------------------|--------------------|---------------------|
| (No. x mm <sup>2</sup> )                     | (nom.)<br>(mm)              | (nom.)<br>(mm)                | (nom.)<br>(mm)                     | (nom.)<br>(mm)                     | (nom.)<br>(mm)      | (max.)<br>(Ω/km)                   | (a.c)<br>(kV/5min) |                     |
| 6 x 6<br>+<br>17 x 4                         | 3.2                         | 0.6                           | 1.0                                | 3.0                                | 30.2                | 3.39                               | 2.5                | IEC 60332-1-2       |
|  | 2.6                         | 0.5                           |                                    |                                    |                     | 5.09                               |                    |                     |