



**SPECIFICATION**  
for  
**THOMFLEX-SIL(MC)**

Tech Spec. No. : TCC-SPEC-009/2025  
Issued date : 9th. Jan. 2025  
Revised No. : -  
Revised date : -

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IG. Hwang



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**Description : THOMFLEX-SIL(MC)**Rated voltage : 0.34mm<sup>2</sup> (250V), 0.5mm<sup>2</sup> (300/500V)

Range of temperature : - 60°C ~ 200°C

**Construction****Conductor**

Tinned annealed copper  
round bunch-stranded, Class 5

**Insulation**

FEP

**Core identification**0.5mm<sup>2</sup> : White-Red

0.34mm<sup>2</sup> : White-Brown, Grey-Pink, Green-Yellow  
Blue-Red, Black-Violet

**Assembly**

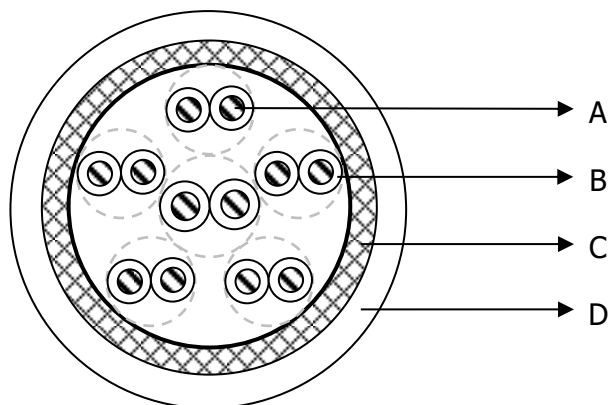
Required cores & pairs shall be assembled  
with suitable binder

**Shield**

Tinned annealed copper wire braiding

**Sheath**

Silicone rubber, Reddish Brown

**Drawing**

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

**Cable marking**

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

**- Marking content**

THOMAS CABLE THOMFLEX-SIL (MC) 2 x 0.5mm<sup>2</sup> + 5 x 2 x 0.34mm<sup>2</sup> CE RoHS General marking

**Construction & Electrical table**

No. of cores & pairs and cross-sectional area	Diameter of conductor	Thickness of insulation	Thickness of sheath	Overall diameter	Conductor resistance at 20°C	Test voltage	Flame restardant
(No. x mm <sup>2</sup> )	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(max.) (Ω/km)	(a.c) (kV/5min)	
2 x 0.5 + 5 x 2 x 0.34	0.9	0.25	1.7	10.6	40.1	2.0	IEC 60332-1-2
	0.8	0.25			59.5	1.5	