



SPECIFICATION

for

THOMFLEX-6YSIBE6Y

Tech Spec. No. : TCC-SPEC-088/2022

Issued date : 3rd. Jun. 2022

Revised No. : 1

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Checked by

Approved by

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Rev No.	Rev. date	Contents
1	22.06.07	- Add of item (4 x 2 x 1.0mm ²)



Thomas Cable Co.,Ltd.



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Description : THOMFLEX-6YSIBE6Y

Rated voltage : 300/500V

Range of temp. : - 60°C ~ 200°C (Fixed)

Construction

Conductor

Tinned annealed copper
round bunch-stranded, Class 5 (IEC 60228)

Insulation

FEP

Core identification

1P : White-Red, 2P : Blue-Brown
3P : Green-Yellow , 4P : Grey-Pink

Unit

Two cores shall be pairing

Assembly

Required pairs shall be assembled
with suitable binder

Inner sheath

Silicone rubber, White

Shield

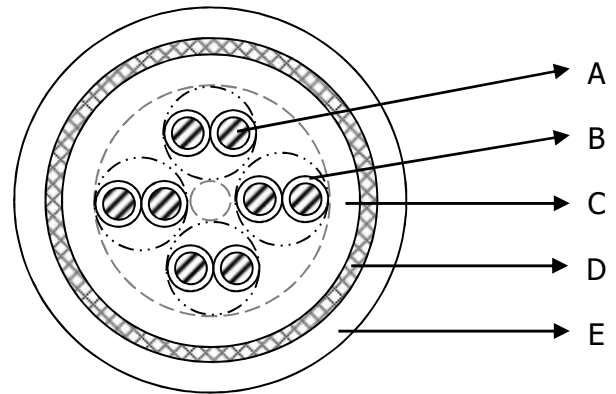
Tinned annealed copper wire braiding

Outer sheath

FEP, Black

Drawing

ex) 4 x 2 x 1.0mm²



A : Conductor
B : Insulation
C : Inner sheath
D : Shield
E : Outer sheath

Construction & Electrical table



No. of pairs and cross-sectional area	Diameter of conductor	Thickness of insulation	Thickness of sheath	Overall diameter	Conductor Resistance at 20°C	Test voltage	Remark
(No. x mm ²)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(max.) (Ω/km)	(a.c) (kV/1min)	
2 x 2 x 1.0	1.3	0.3	0.5	9.6	20.0	2.5	IEC 60332-1-2
4 x 2 x 1.0	1.3	0.3	0.5	11.0			