



SPECIFICATION

for

THOMFLEX-EWKF C


Tech Spec. No. : TCC-SPEC-095/2022


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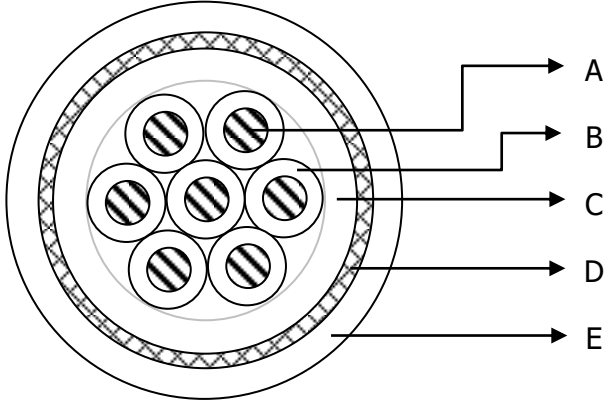
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<div>  <div> Tech Spec. No. : TCC-SPEC-095/2022 Revised No. : - </div> </div>	
Description : THOMFLEX-EWK F C	
Rated voltage : 300/500V	
Construction	Drawing
<p>Conductor Tinned annealed copper round bunch-stranded, Class 5</p> <p>Insulation Silicone rubber</p> <p>Core identification 2C : Brown, Blue 3C : Black, Blue, Brown 4C : Black, Blue, Brown 5C ↑ : Black cores with consecutive numbers</p> <p>Assembly Required cores shall be assembled</p> <p>Inner sheath Silicone rubber, Reddish-brown</p> <p>Shield Tinned annealed copper wire braiding</p> <p>Outer sheath Silicone rubber, Black</p>	<p>ex) 7 x 1.0mm²</p>  <p>A : Conductor B : Insulation C : Inner sheath D : Shield E : Outer sheath</p>
Note	Technical data
<p>EWKF (Improved values)</p> <ul style="list-style-type: none"> • E : Tearing resistance • W : Breaking strength propagation • K : Notch strength • F : Flexibility 	<ul style="list-style-type: none"> • Working Temperature : -50°C ~ 180°C (up to 200°C) • Hi-temperature • Weather resistance • Notch resistance
<p>Cable marking</p> <p>- Marking method & Interval : White ink printing with max. 1,000mm interval</p> <p>- Marking content</p> <p>ex) THOMAS CABLE THOMFLEX-EWK F C 180°C 7 x 1.0mm² CE RoHS General marking</p>	



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Description : THOMFLEX-EWKF C

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Construction & Electrical table

No. of cores 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 ²)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(max.) (Ω/km)	(a.c) (kV/5min)			
2 x 1.0	1.3	0.6	1.7	11.7	20.0	2.0	IEC 60332-1-2		
3 x 1.0	1.3	0.6	1.7	12.0					
4 x 1.0	1.3	0.6	1.8	13.1					
5 x 1.0	1.3	0.6	1.8	13.8					
7 x 1.0	1.3	0.6	1.9	15.0					
2 x 1.5	1.6	0.7	1.8	13.1	13.7				
3 x 1.5	1.6	0.7	1.8	13.5					
4 x 1.5	1.6	0.7	1.8	14.5					
5 x 1.5	1.6	0.7	1.9	15.6					
7 x 1.5	1.6	0.7	1.9	16.7					