





Tech Spec. No. : TCC-SPEC-176/2025  
 Revised No. : -

**Description : 0.6/1kV SAVAFLEX-FC REEL(EP/CR)S-R TP**

Rated voltage : 0.6/1kV

**Construction**

**Drawing**

**Conductor**

Tinned annealed copper round bunch-stranded, Class 5 with steel wire (up to 4mm<sup>2</sup>)

**Insulation**

EPR

**Core identification**

Black-White cores with consecutive numbers

**Unit**

Two cores shall be pairing

**Assembly**

Required pairs shall be assembled with filler and suitable binder and yarn braiding

**Shield**

Tinned annealed copper wire braiding with suitable binder

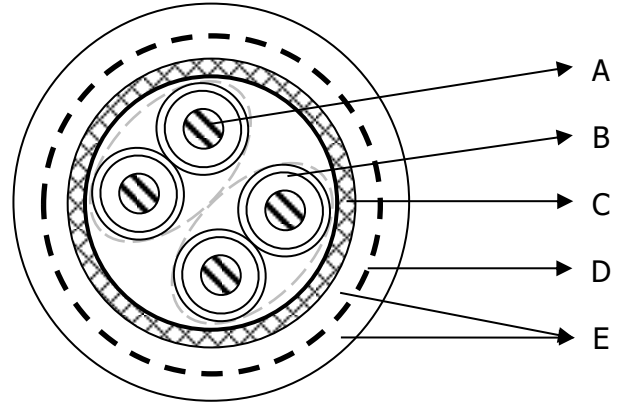
**Reinforced lay**

with suitable binder

**Sheath**

CR, Black (RAL 9005)

ex) 2P x 1.5SQMM



- A : Conductor (with steel wire)
- B : Insulation (with binder)
- C : Shield
- D : Reinforced lay
- E : Sheath

**Cable marking**

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

**- Marking content**

ex) 0.6/1kV SAVAFLEX-FC REEL(EP/CR)S-R TP 2P x 1.5SQMM THOMAS CABLE General marking

**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	Flame retardant
(No. x SQ)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(nom.) (mm)	(max.) (Ω/km)	(a.c) (kV/5min)	
2P x 1.0	1.6	1.2	3.4	24.1	20.0	3.5	IEC 60332-1-2
5P x 1.0	1.6	1.2	3.7	29.5			



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**Construction & Electrical table**

No. of pairs and cross-sectional area  (No. x SQ)	Diameter of conductor  (nom.) (mm)	Thickness of insulation  (nom.) (mm)	Thickness of sheath  (nom.) (mm)	Overall diameter  (nom.) (mm)	Conductor resistance at 20°C  (max.) (Ω/km)	Test voltage  (a.c) (kV/5min)	Flame retardant
10P x 1.0	1.6	1.2	4.5	43.2	20.0	3.5	IEC 60332-1-2
1P x 1.5	1.6	1.2	3.0	18.5	13.7		
2P x 1.5	1.6	1.2	3.4	25.1			
3P x 1.5	1.6	1.2	3.5	26.5			
4P x 1.5	1.6	1.2	3.6	28.6			
2P x 2.5	1.6	1.2	3.5	26.9	8.21		