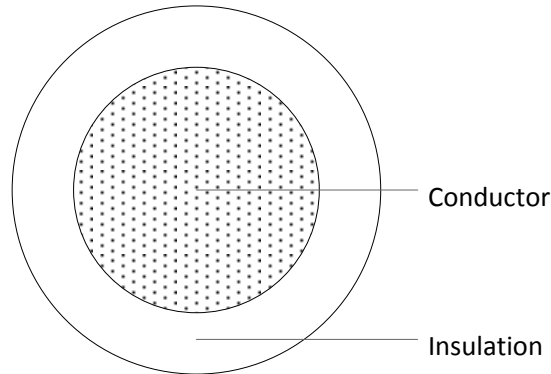


Technical Specification

Diagram of Cable Construction



Dimensions and Details

Item	Unit			
Product No.		26700	26701	26702
Type of cable		SafeX125 1C TC SI flex		
Conductors:				
Material		Tinned annealed copper wire, class 5		
No. of cores		1		
Nominal cross section	mm ²	1.5	2.5	4
Stranding	No./mm	30/0.25	50/0.25	56/0.3
Insulation of conductors:				
Material		X-HF-110 – Cross-linked PO, LSZH, fire retardant, UV stabilised		
Nominal thickness	mm	0.7		
Core colours		According to product code		
Approx. outer diameter	mm	3.0	3.4	4.0
Weight	kg/km	21	32	47
Standards		AS/NZS1125, AS/NZS3808, AS/NZS5000.1, RoHS		
Nominal voltage rating	V	600/1000		
Maximum DC resistance of conductor at 20°C	Ω/km	13.7	8.21	5.09
Maximum AC resistance per core at 110°C, 50Hz	Ω/km	18.4	10.0	6.24
Operating temperature	°C	-40 to 125*		
Maximum permissible conductor temp under SC conditions	°C	250		
Three phase voltage drop at 110°C, 50Hz, laid flat touching, enclosed	mV/A.m	31.90	17.4	10.8
Current rating, unenclosed, touching, 40°C ambient	A	26	34	45
Spark test voltage	kV	6		
Test voltage	kV	3.5 for 5 minutes		
Minimum recommended bend radius	mm	12	14	16



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SPECIALISED & INDUSTRIAL CABLES



FS 521026

*The SafeX125 material has achieved a temperature index of over 125°C when tested to a lifespan of 20000 hours to IEC standard 60216-1 - "Electrical insulating materials – Properties of thermal endurance"

Version	Date	Changes	Author
1	N/A	Initial design	N/A
2	27/04/2018	N/A	N/A
3	10/01/2019	Added comments for operating temperature	CW