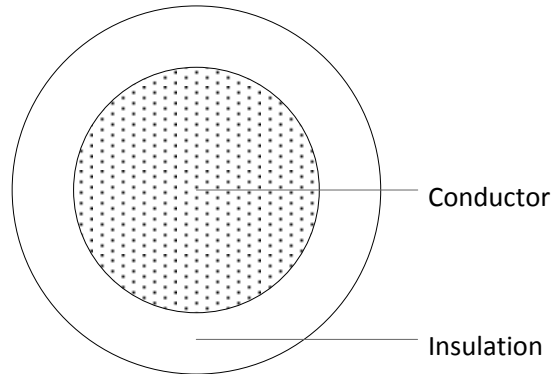


Technical Specification

Diagram of Cable Construction



Dimensions and Details

Item	Unit			
Product No.		26697	26698	26699
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	0.5	0.75	1
Stranding	No./mm	16/0.20	24/0.20	32/0.20
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	2.3	2.5	2.7
Weight	kg/km	10	14	16
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	40.1	26.7	20.0
Maximum AC resistance per core at 110°C, 50Hz	Ω/km	-	-	28.7
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	-	-	49.7
Current rating, unenclosed, touching, 40°C ambient	A	14	17	21
Spark test voltage	kV	6		
Test voltage	kV	3.5 for 5 minutes		
Minimum recommended bend radius	mm	9	10	11

*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	10/06/2014	Initial design	N/A
1	14/11/2014	N/A	N/A
2	10/01/2019	Changed the operating temperature	CW