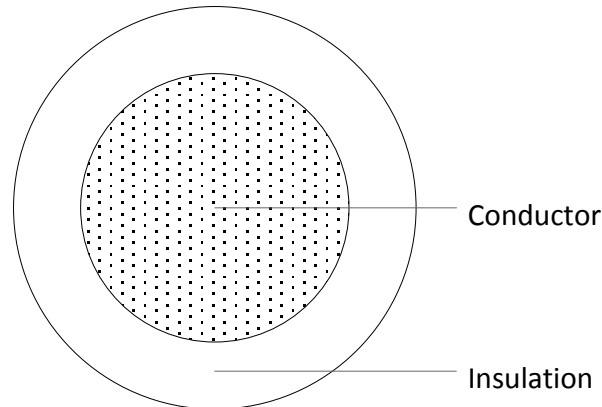


Technical Specification

Diagram of Cable Construction



Dimensions and Details

Item	Unit	
Product No.		26707
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	35
Stranding	No./mm	494/0.30
Insulation of conductors:		
Material		X-HF-110 – Cross-linked PO, LSZH, fire retardant, UV stabilised
Nominal thickness	mm	0.9
Core colours		According to product code
Approx. outer diameter	mm	10.1
Weight	kg/km	363
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	0.565
Maximum AC resistance per core at 110°C, 50Hz	Ω/km	0.710
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	1.24
Current rating, unenclosed, touching, 40°C ambient	A	172
Spark test voltage	kV	6
Test voltage	kV	3.5 for 5 minutes
Minimum recommended bend radius	mm	40

*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
A	10/05/2014	Initial design	N/A
1	14/11/2014		N/A
2	12/11/2018	Changed "SafeX110" to "SafeX125". Changed operating temperature from "-40 to 110" to "-40 to 125"	CW