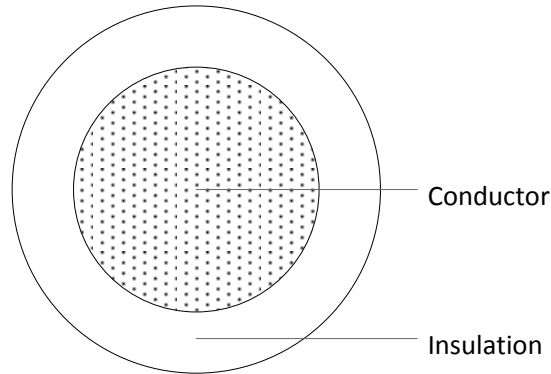


Technical Specification

Diagram of Cable Construction



Dimensions and Details

Item	Unit			
Product No.		26706	26707	26708
Type of cable		SafeX110 1C TC SI flex		
Conductors:				
Material		Tinned annealed copper wire, class 5 or 6		
No. of cores		1		
Nominal cross section	mm ²	25	35	50
Stranding	No./mm	350/0.30	494/0.30	684/0.30
Insulation of conductors:				
Material		X-HF-110 – Cross-linked PO, LSZH, fire retardant, UV stabilised		
Nominal thickness	mm	0.9	0.9	1.0
Core colours		According to product code [#]		
Approx. outer diameter	mm	8.8	10.1	11.8
Weight	kg/km	261	363	499
Standards		AS/NZS1125, AS/NZS3808, AS/NZS5000.1, IEC 60092-350, IEC 60092-353, IEC 60228, RoHS		
Nominal voltage rating	V	600/1000		
Maximum DC resistance of conductor at 20°C	Ω/km	0.795	0.565	0.393
Maximum AC resistance per core at 110°C, 50Hz	Ω/km	0.984	0.710	0.524
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	1.71	1.24	0.920
Current rating, unenclosed, touching, 40°C ambient	A	139	172	218
Spark test voltage	kV	6		
Test voltage	kV	3.5 for 5 minutes		
Minimum recommended bend radius	mm	35	40	47

#Fully Yellow and fully Green colored cables are generally compliant with AS/NZS5000.1.

*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 issue	N/A
1	14/11/2014	N/A	N/A
2	01/03/2021	Added condition for colour options	AY
3	09/01/2023	Included standards IEC 60092-350, IEC 60092-353, IEC 60228	VS