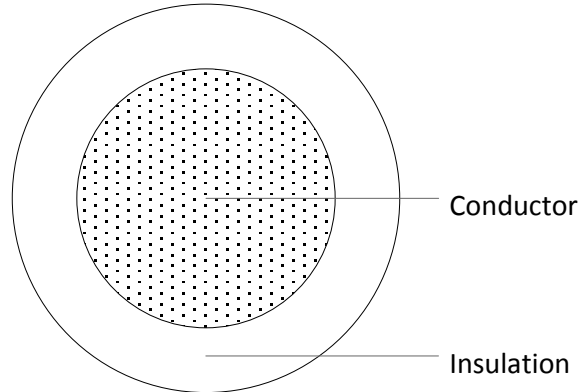


Technical Specification

Diagram of Cable Construction



Dimensions and Details

| Item | Unit | | | |
|--|-----------------|---|-----------|-----------|
| Product No. | | 26709 | 26710 | 26711 |
| Type of cable | | SafeX125 1C TC SI flex | | |
| Conductors: | | | | |
| Material | | Tinned annealed copper wire, class 6 | | |
| No. of cores | | 1 | | |
| Nominal cross section | mm ² | 70 | 95 | 120 |
| Stranding | No./mm | 969/0.30 | 1292/0.30 | 1653/0.30 |
| Insulation of conductors: | | | | |
| Material | | X-HF-110 – Cross-linked PO, LSZH, fire retardant, UV stabilised | | |
| Nominal thickness | mm | 1.1 | 1.1 | 1.2 |
| Core colours | | According to product code [#] | | |
| Approx. outer diameter | mm | 14.2 | 15.9 | 18.6 |
| Weight | kg/km | 706 | 884 | 1247 |
| 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 | 0.277 | 0.210 | 0.164 |
| Operating temperature | °C | -40 to 125* | | |
| Maximum permissible conductor temp under SC conditions | °C | 250 | | |
| Current rating, unenclosed, touching, 40°C ambient, 110°C conductor | A | 273 | 329 | 390 |
| Spark test voltage | kV | 10 | | |
| Test voltage | kV | 3.5 for 5 minutes | | |
| Minimum recommended bend radius | mm | 57 | 64 | 70 |

*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"



Bambach

SPECIALISED & INDUSTRIAL CABLES



FS 521026

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

| Version | Date | Changes | Author |
|---------|------------|--|--------|
| 2 | 19/09/2018 | Conversion to new revision system | PRT |
| 3 | 14/02/2019 | Changed name from "SafeX110" to "SafeX125" | CW |
| 4 | 01/03/2021 | Added condition for colour options | AY |
| 5 | 11/08/2023 | Changed final OD for 120mm ² | VS |