DeltaFlex cables	TECHNICAL DATASHEET	Doc No.: S15102001
		Rev: 2
	Power Cable 0.6/1kV	Date: 10/27/2015
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SIGN OFF TABLE	Name	Signature	Date
Designed by	Wang Lu	Wang Lu	10/27/2015
Reviewed by	Zhang Wei	Zhang Wei	10/27/2015
Approved by	Cao Yonggang		10/27/2015
For customer/client			

1. This datasheet is provided for installation and operation information. The design, quotation, manufacture of cables is based on this datasheet as the technical part of contract.

2. Type and size from purchaser order as listed below.

Voltage	Size	Description
0.6/1kV	1C95	AL/XLPE/PVC
0.6/1kV	1C150	AL/XLPE/PVC

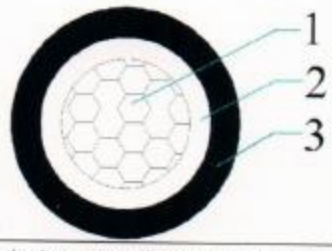
3. Standards and Specifications referenced as listed below.

Item	Standard	Requirement
Design guidelines	AS/NZS 5000.1	----
Conductor	AS/NZS 1125	Class 2
Insulation and sheath material	AS/NZS 3808	----

4. Application.

Normal use operating temperature	90℃
Max. conductor temperature during short circuit(5s)	250℃
Lowest recommended temperature during installation	0℃

5. Construction.



1	Conductor	Class 2, circular compacted aluminium conductor
2	Insulation	X-90
3	Outer sheath	5V-90/Black/UV-resistance

6. Core identification and mark as listed below, or as purchase order.

Identification of core: Natural
Marking on cable: by printing
e.g. : DELTAFLEX "year of manufacture" X90 ELECTRIC CABLE 150mm2 0.6/1kV "eltech order number" xxxxM

7. Construction particulars.

No. Cores &Cross section area	Approx. diameter of conductor	Nominal thickness of insulation	Nominal thickness of outer Sheath	Approx. diameter of cable	Max. diameter of cable	Approx. mass of cable
	mm	mm	mm	mm	mm	kg/km
1C95	11.4	1.1	1.5	16.7	18.7	395
1C150	14.4	1.4	1.6	20.6	22.6	593

8. Electrical and Mechanical particulars.

No. Cores &Cross section area	Max. DC resistance of conductor at 20°C	Max. AC resistance of conductor at 90°C	Fault current carrying of conductor (1s)	Max. allowable pulling force of conductor	Min. bending radius	
					During installation	Final installed position
	Ω/km	Ω/km	kA	kN	mm	mm
1C95	0.320	0.411	8.98	3.71	110	70
1C150	0.206	0.265	14.17	5.85	140	90