

**KZN029**

**SAP No: 0632881**  
**6mm<sup>2</sup> CONCENTRIC SERVICE CABLE**

**Clarification Presentation**

**TECHNICAL**



## APPLICABILITY:

The following technical documents highlighted below shall apply to this tender for SAP number 0632881:

- ★a) “240-61704085” – Standard for Concentric Service Cable with Communication Cores, Tinned Copper and Coated steel
- b) “D-DT-3140”
- ★c) “A&B Technical Schedules” – refer to ‘Technical Schedule – Concentric’
- d) “Technical deviation sheet” – refer to ‘Technical Schedule – Concentric’
- ★e) “Technical Criteria for 6mm Concentric”

## **METHODOLOGY:**

- The technical tender submission are required to comply with the Eskom standard, 240-61704085 – Standard for Concentric Service Cable with Communication Cores, Tinned Copper and Coated steel
- Compliant type test & routines test as per 240-61704085 will be required for the desktop evaluation

The documentation evaluations are meant for establishing if all the key tender deliverables are met.

## **METHODOLOGY:**

The documentation technical evaluation for this tender will comprise of 2 main sections:

Level 1: **Mandatory Gatekeeper Requirements**

Level 2: **Mandatory Technical Requirement for scoring**

Note: Factory evaluation may be required at Eskom's discretion.

**Technical evaluation score**

**= 80% (level 1 mandatory gatekeeper requirements) + 20% (level 2 submission)**

## Level 1: **Mandatory Gatekeeper Requirements**

The tender submission must meet all the level 1 gate-keeper (mandatory technical evaluation requirements). Failure to meet all the mandatory requirements will result to a score of 0% of the 80%; thus a tenderer can only obtain 0% or 80%, and nothing in between for level 1 mandatory gatekeeper requirements.

A tender only fully complies with the stage 1 gatekeepers if all the stipulated mandatory documents in the prescribed format were submitted at the tender closing deadline.

## Level 1: **Mandatory Gatekeeper Requirements**

Once a tenderer fails to satisfy a requirement at Level 1 it becomes an immediate disqualification and when all requirements are satisfied then a full 80% is achieved and then the evaluation proceeds to Level 2.

## Level 1: **Mandatory Gatekeeper Requirements**

### Level 1 - Mandatory Gatekeepers:

Criteria	Standard/clause
Copies of type test reports & permit to apply certificate submitted?	SANS 1507
Are completed technical schedules B submitted in the provided excel format and submitted and complied?	Technical Schedules A and B 240-61704085
Are conductor construction drawings and product codes submitted and complied?	6mm sq concentric cables
Are conductor dimensional data drawings submitted? Include thickness of the dielectric	240-61704085
Has type testing been performed and passed at an accredited Test facility? Provide proof	N/A

- Any of the above criteria is not satisfied in the submission then the supplier will be disqualified and the submission will not be evaluated further.
- The Type testing should fully comply with the requirements of 240-61704085 in order for the evidence to be accepted under testing requirements.

## Level 2: **Mandatory Technical requirements for scoring**

The technical evidence and returnables for Level 2 must be contained in the “**Technical File**” of the tender submission.

A score will be allocated per requirement that has been met.



## Level 2: **Mandatory Technical requirements for scoring**

### Level 2 – Mandatory Technical Requirements with scoring:

Concentric cable technical evaluation for the documentation exercise			
Level 2 scoring/rating - (only submission that passes Level 1 gatekeepers)			
Routine testing and type testing Weight: 4			
Criteria	Clause	Weight	Score
Were type tests performed in the last 10 years? Test reports submitted	SANS 1507-6	2	
Are all tests reports/certificate in table 1 submitted?	Technical Criteria	2	
<ul style="list-style-type: none"> <li>For Type testing performed within the last 10 Years supplier gets 100% and loses 20 % for each additional year.</li> <li>For the routine test certificate or report supplier gets 100 % if all requirements as per SANS included, and loses 20% for each missing requirement</li> </ul>		<b>Total</b>	<b>/4</b>

## Level 2: **Mandatory Technical requirements for scoring**

Technical schedules for concentric cable (6 sq mm-tinned Cu and coated steel with communication wire): Weight: 5 Total			
Criteria	Clause	Weight	Score
Correctness of completion i.e. no "TBA", "Comply", "Noted", "supplied later" ("Noted" acceptable only when Eskom informs), completed technical schedule	Technical schedules A & B240-61704085	5	
TNB: The technical schedules B are provided on the Annexures of the Concentric cable specifications. <ul style="list-style-type: none"> <li>Negative marking is done and a penalty of 2 % is applicable for each incorrect completion deviation.</li> <li>Negative marking is done and a penalty of 3 % is applicable for each deviation from meeting Eskom specification and deviations.</li> </ul>		<b>Total</b>	<b>/5</b>

## Level 2: **Mandatory Technical requirements for scoring**

Technical Schedules A and B for					
0632881, CABLE,ELECT:230 V ;XLPE ;2C ;6 MM2					
Schedule A: Purchasers specific requirements					
Schedule B: Guarantees and technical particulars of equipment offered					
1	2	3		4	5
Item	Sub-clause	Description		Schedule A	Schedule B
1		Quantity of cable required			
2		Approximate length per drum	m	500m	
3		Approximate mass per drum		xxxx	
4	3.2.1	Phase core			
		-Material		xxxx	
		-size	mm <sup>2</sup>	6	
		-no of Copper strands/ tinned hard drawn		6	
		-no of GSW		1	
		-size of Copper strands	mm <sup>2</sup>	xxxx	
		-size of GSW strands	mm <sup>2</sup>	xxxx	
		Insulation material		XLPE	
	3.2.1	Insulation thickness	mm	xxxx	

## Level 2: **Mandatory Technical requirements for scoring**

<b>Drawings Weight for concentric cable (6mm sq-tinned Cu and coated steel with communication wires: Weight 6</b>			
<b>Criteria</b>	<b>Clause</b>	<b>Weight</b>	<b>Score</b>
Drawing number		1.0	
Revision number		1.0	
Dimensions		1.0	
Detailed description provided in "Title".		1.0	
Approved & date drawings		1.0	
Marking of cable sheath drawing		1.0	
		<b>Total</b>	<b>/6</b>

## Level 2: **Mandatory Technical requirements for scoring**

Packaging Weight: 5			
Criteria	Clause	Weight	Score
Are drums manufactured in accordance with Eskom specification	240-61704085	3	
Is Marking drum done in accordance with Eskom specification	240-61704085	2	
		<b>Total</b>	<b>/5</b>

# Questions?

Thank you...