

Enquiry No.: _____

Date: ____/____/____

Tenderers Name: _____

A & B Schedule

Technical Schedules A and B for WIRE, Cu 16SQ 7/1.79 STR PVC BLACK - D 3137

Schedule A: Purchasers specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

1	2	3	4
Item	Description	Schedule A	Schedule B
1	Product Information		
1.1	• Purchasing details		
1.1.1	Eskom SAP No	0400660	xxxxxxxxxx
1.1.2	Manufacturer's Name	xxxxxxxxxx	
1.1.3	Manufacturer's Product Code	xxxxxxxxxx	
1.1.4	Manufacturer's Drawing number & Revision number	xxxxxxxxxx	
1.1.5	Manufacturer's Physical identification mark on product	xxxxxxxxxx	
1.1.6	Compliance to all dimensions and requirements of Eskom D-DT 3137 Buyer's Guide drawing	YES	
1.1.7	Item sample required, upon request from Eskom. (As per the Technical Criteria Document)	YES	xxxxxxxxxx
1.2	• Mechanical Properties - Wire Strands (SANS 1507-2 and 1411-1)		
1.2.1	Material Grade SANS 1507-2 (4.2.1)	ANNEALED COPPER	
1.2.2	Construction Classification (Stranded or compacted conductor, for use in cables for fixed installations) [SANS1507-2 (5.1.10)]	SANS 1411-1 CLASS 2	
1.2.3	Joints in Stranded conductor [SANS1411-1 (4.3.2)]	SANS 1411-1 Comply	
1.2.4	Minimum Size [SANS1411-1 (4.3.3.3)]	mm ² 16mm ²	
1.2.5	Number of strands [SANS1411-1 (4.3.3.3)]	D-DT-3137 7	
1.2.6	Strand Diameter	D-DT-3137 1.79 mm	
1.3	• Mechanical Properties - Insulation (SANS 1507-2 and 1411-2)		
1.3.1	Material Grade SANS 1507-2 (4.2.2)	EXTRUDED PVC	
1.3.2	Construction Classification (General Purpose) [SANS1507-2 (5.1.1)]	SANS 1411-2 D2	
1.3.3	PVC Insulation Thickness [SANS1507-2 (4.2.2.2) Table 7]	mm 1.0mm Nominal / 0.80mm minimum	
1.3.4	Insulation Resistance at 23°C [SANS1507-2 (4.2.2.2) Table 7]	MΩ.km,min 11	
1.3.5	Insulation Colour [SANS1411-2 (4.3.2)]	BLACK	
1.4	• Electrical Properties		
1.4.1	Operating Voltage [SANS1507-2 (4.1)]	V 600/1000 V	
1.4.1	Conductor Resistance - Maximum [SANS1507-2 (4.3.1)] [SANS1411-1 Table 2]	Ω/km @20°C 1.16	
1.5	• Marking and Packaging		
1.5.1	Coil length	m 100	
1.5.2	Cable Ends sealed [SANS1507-1 (4.1.2)]	YES	

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1.5.3	Indelible marking of cables - moulded (Painted markings are not acceptable) [SANS1507-1 (4.2.1)]	Ht 3mm, gap between legends 275mm	YES	
1.5.4	Indelible marking of cables - Manufacturers Name, Trade name or Trademark [SANS1507-1 (4.2.1)]	Required, state mark	xxxxxxxxxx	
1.5.5	Indelible marking of cables - Operating Voltage [SANS1507-1 (4.2.1)]	V	600/1000 V	
1.5.6	Indelible marking of cables - Cross Sectional Area and number of cores [SANS1507-1 (4.2.1)]		16mm ² / 1C	
2	Documentation (to be submitted with tender) Note: All documentation to be provided in electronic format.			
2.1	• General			
2.1.1	Outline drawings of item	Sets	1	
2.1.2	Material grade certification - Annealed Copper [SANS1507-2 (4.2.1)]	Certification submitted	YES	
2.1.3	Material grade certification - Extruded PVC [SANS1507-2 (4.2.2)]	Certification submitted	YES	
2.2	• Test Reports (where applicable)			
			Required	Report Number
2.2.1	Visual examination [SANS1507-2 (4.2.3+4)]	Test report submitted	YES	
2.2.2	Dimensional and material verification [SANS1507-1 (4.2)]	Test report submitted	YES	
2.2.3	Dimensional verification on Finished Cable [SANS1507-1 (4.2)]	Test report submitted	YES	
2.2.4	Spark resistance of Insulation (SANS 62230) at 6000 V with No break down [SANS1507-2 (4.2.2.3)] [SANS62230]	Test report submitted	YES	
2.2.5	Conductor Resistance - Maximum - Ω/km@20 ⁰ C [SANS1507-2 (4.3.1)] [SANS1411-1 Table 2]	Test report submitted	YES	
2.2.6	Voltage Withstand [SANS1507-2 (4.3.2)] [SANS6284-3]	Test report submitted	YES	
2.2.7	Dielectric Resistance [SANS1507-2 (4.3.3)] [SANS5526]	Test report submitted	YES	
2.2.8	Physical requirement tests for Insulation, Classification D2 [SANS 1411-2 (5) Table 2]	Test report submitted	YES	

NOTE: DEVIATION SCHEDULE CONTINUE ON NEXT PAGE.

IF NO DEVIATIONS ARE MENTIONED ON THE DEVIATION SCHEDULE IT WILL BE ACCEPTED THAT THE SUPPLIER AND MANUFACTURER FULLY COMPLIES WITH THE REQUIREMENTS OF THE ESKOM SPECIFICATON(S).

SUPPLIER SIGNATURES

Name (Print)

Company Name

Sign

Date

Tenderers Name: _____

Test Report Schedule
WIRE, Cu STR PVC BLACK - D 3137

The test reports are required for the stated SAP number listed on this sheet

SAP No: _____ (To be specified)

1	2	3	4
Item	Description	Test Specification	Report Number
2.2.1	Visual examination [SANS1507-2 (4.2.3+4)]	Test report submitted SANS1507-2 (4.2.3+4)	
2.2.2	Dimensional and material verification [SANS1507-1 (4.2)]	Test report submitted SANS1507-1 (4.2)	
2.2.3	Dimensional verification on Finished Cable [SANS1507-1 (4.2)]	Test report submitted SANS1507-1 (4.2)	
2.2.4	Spark resistance of Insulation (SANS 62230) at 6000 V with No break down [SANS1507-2 (4.2.2.3)] [SANS62230]	Test report submitted SANS1507-2 (4.2.2.3) SANS62230	
2.2.5	Conductor Resistance - Maximum - $\Omega/\text{km}@20^{\circ}\text{C}$ [SANS1507-2 (4.3.1)] [SANS1411-1 Table 2]	Test report submitted SANS1507-2 (4.3.1) SANS1411-1 Table 2	
2.2.6	Voltage Withstand [SANS1507-2 (4.3.2)] [SANS6284-3]	Test report submitted SANS1507-2 (4.3.2) SANS6284-3	
2.2.7	Dielectric Resistance [SANS1507-2 (4.3.3)] [SANS5526]	Test report submitted SANS1507-2 (4.3.3) SANS5526	
2.2.8	Physical requirement tests for Insulation, Classification D2 [SANS 1411-2 (5) Table 2]	Test report submitted SANS 1411-2 (5) Table 2	

SUPPLIER SIGNATURES

Name (Print)

Company Name

Sign

Date