

	Specification	Medupi Power Station
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Title: **Medupi Power Station Supply and Delivery of C&I cables scope of work**

Document Identifier: **241-20221066**

Alternative Reference Number: **241-202234**

Area of Applicability: **Medupi Power Station**





Functional Area: **Material Management**

Revision: **1**

Total Pages: **26**

Next Review Date: **June 2028**

Disclosure Classification: **Controlled Disclosure**

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Date: 2025-06-11	Date: 2025-06-18	Date: 2025/06/19	Date: 2025/06/20

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Controlled Disclosure

1. Introduction

The reliability and availability of the C&I cables in general is a concern for us due to the unplanned downtime and regular planned outages at Medupi Power Station. It has contributed too many production risks on the plant and the return to service deadlines of Units after execution works of planned outages.

Initiatives to improve the reliability and availability of the C&I cables amongst others includes, placing a C&I cables supply and delivery contract to ensure continuous plant availability, sustainability and improvement.

This document describes the scope of work required for this contract.

2. Supporting Clauses

2.1 Scope

This document covers the requirements for the supply and delivery of the C&I cables at Medupi Power Station.

2.1.1 Purpose

The purpose of this document is to provide the SOW for the supply and delivery of the C&I cables contract at Medupi Power Station.

2.1.2 Applicability

This document shall apply to the material management for support to the C&I department at Medupi Power Station.

2.1.3 Effective date

The document will be effective from the date of authorisation.

2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

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2.2.1 Normative

- [1]. Eskom SHEQ Policy 32-727
- [2]. Life Saving-Rules – 240-62196227 Medupi Power Station - SHE File Evaluation Checklist – 24097661287
- [3]. ISO 9001 Quality Management Systems.
- [4]. 240 - 97020108 REV. 5 Medupi Maintenance Contracts User Requirement Specification (URS).

2.2.2 Informative

- [1]. Act No 85 Occupational Health and Safety Act & Regulations.
- [2]. 240-46554063: Safety Health Environmental and Quality Policy.

2.3 Definitions

Definition	Description
<i>Contractor</i>	Service provider contracted for the supply and delivery of C&I material with its associated fittings and consumables
<i>Employer</i>	Eskom or Eskom Medupi power station representative appointed in writing.
Task order	The <i>Employer's</i> instruction to be carried out as a task to supply and deliver requested items.

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2.4 Abbreviations

Abbreviation	Explanation
C&I	Control and Instrumentation.
NEC3	New Engineering Contract
OEM	Original Equipment Manufacturer
PD	Order On Request (As and When required)
QC	Quality Control
RF	Refurbishment of items
SHE	Safety Health and Environmental
SHEQ	Safety Health Environmental and Quality
SOW	Scope of Work
V1	Re-Order Point for Non-Repairable Material (Normal)
VB	Manual Re-Order Point Planning (RF)

2.5 Roles and Responsibilities

2.5.1 Employer

The *Employer* shall compile and submit scope of work with technical specifications for the C&I cables to be supplied and delivered to Medupi Power Station.

The *Employer* shall perform quality checks of all the C&I cables delivered to Medupi Power Station at the main store.

2.5.2 Contractor

The *Contractor* shall supply and deliver the C&I cables on an *as and when required basis* to Medupi Power station according to the specifications and technical requirements on this document.

The *Contractor* shall submit all relevant documentation for example manuals, calibration certificates, datasheets etc. as requested by the Employer.

2.6 Process of Monitoring

Not Applicable.

2.7 Related/Supporting Documents

Not Applicable.

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3. Scope of Work

This work specification is developed for the supply and delivery of the C&I cables at Medupi power station on an **as and when required basis**. This specification is intended to ensure that the appointed *Contractor* supply the correct C&I cables to Medupi power station.

3.1 Supply of Spares

The scope is as follow:

3.1.1 Description of Item:

Refer to Appendix A: List of Spares with material description

3.1.1.1 Performance Characteristics

The spares shall comply with the specific ratings, software versions etc.

3.1.1.2 Physical Characteristics

The spares shall be robust, reliable and comply with the specified dimensions, materials etc.

3.1.2 Contract Period:

The Contract period is for a duration of 3 Years (36 months). All spares should be available from the supplier for at least 3 years. Replacement spares for obsolete items shall be available from the supplier within 4 weeks of placing such an order and immediately for any spares that are critical.

3.1.3 Quantity of supply: See Appendix A

The estimated quantities the *Employer* anticipates will be required for the duration of this contract. This value will be used with other estimates to determine the overall contract value. It should be noted that this is just an estimate, and it does not mean that the *Employer* will definitely consume the C&I cables in the duration of the contract. These quantities are therefore not fixed, and the *Contractor* shall supply the C&I cables only when instructed by a task order, from the *Employer*.

It is the *Contractor's* responsibility to ensure that the correct spares are delivered. If incorrect spares are delivered, the spares will have to be replaced with the correct spares at the *Contractor's* cost which includes transport and delivery.

3.2 General Requirements

The Spares must be the same in all respects when compared to the original equipment, supplied to Eskom by the OEM under contract. This includes all aspects such as design, materials and material specifications, manufacturing, including manufacturing processes and acceptance testing. Where spares offered deviate from the original in any respect, it should be indicated to the *Employer*.

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In the case of an obsolete spare, the *Employer* shall be informed and an OEM letter stating such obsolescence, and the predecessor shall be supplied to the Employer for approval prior to any delivery of the latest equipment version. The replacement of the obsolete item shall consider the integration and physical characteristics of the equipment and ensure that it is Form, Fit and Functional.

3.3 Packaging

The following packaging requirements should be adhered to:

- a) The Goods are to be packaged in such a manner that it can be transported and stored for an extended period of time without resulting in damage to the goods.
- b) This includes damage due to moisture ingress, corrosion, vibration from the power station etc.
- c) Where lifting gear is utilised to move the goods, the packaging should allow the lifting operation and ensure that the goods are not damaged in any way during the process.
- d) It will also not be necessary to open packaging for any lifting or transport operation.
- e) Where eye bolts are fitted to move the goods, these eye bolts should be fitted such a way that they can be easily removed and replaced with the Purchaser's eye bolts, ensuring that the packaging stays intact.
- f) The different spare types are to be packaged separately in such a way that each type can be stored separately.
- g) Packaging and labelling of spares should ensure that the spare can be identified without opening the packaging.
- h) Where possible the packaging should ensure that parts can be positively identified through the packaging. Where this is not possible the packaging should allow opening and closing of the packaging and still maintain the packaging integrity afterwards.
- i) Delivery packaging to have the following detail on it as a minimum (removable adhesive sticker if possible):
 1. Order number,
 2. A short description of component
 3. The Eskom stock and / or material number
 4. Manufacturing date, where possible
 5. Destination power station

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3.4 Quality Assurance

The spares and components shall be supplied to the “goods received” section of the Medupi main store where it will be received by the material management section. The spares shall be delivered with all the required Manuals and datasheets, where required. A delivery note shall be completed upon delivery, stating the date, quantity with the recipient’s details / signature.

Medupi Stores Working Times: Monday – Thursdays: 07H00 – 16H00
Fridays: 07H00 – 12H00

The quality of manufacturing shall be according to a recognised quality management system such as ISO 9001. Only once the spares have passed the Quality control checks and are booked into the system can a payment be affected.

The Delivery and Transport Costs (including off-loading items) must be included in the quotation.

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Lerato Sehume	C&I Maintenance Manager
Nare Senama	C&I Senior Technical Supervisor
Tumelo Chauke	C&I Senior Technical Supervisor
Tankiso Mpebe	C&I Senior Technical Supervisor
Cornelius Mulaudzi	C&I Senior Technical Supervisor
Albert Malapile	C&I Chief Engineer

5. Revisions

Date	Rev.	Compiler	Remarks
June 2025	1	Thys Britz	First revision

6. Development Team

The following people were involved in the development of this document:

Name	Designation
Thys Britz	C&I Senior Technical Supervisor
Matome Rahlana	C&I System Engineer
Nontuthuko Nhlengethwa	C&I System Engineer

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7. Acknowledgements

Not Applicable.

8. Appendix

8.1 Appendix A: List of Spares with material description

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Material	Material short description	Material full description	Lab Code	Material Type	Unit of Measure	Max	Required Quantity
145069	CABLE COMM:INSTRUMENTS;4 CORE, CU;0.5	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 4 CORE, CU; CONDUCTOR SIZE: 0.5 MM2; INSULATION: PVC; SUPPL P/N: UVG02ACV; COLOUR OUTER BLACK, INSIDE RED, BLUE, YELLOW AND GREY; PVC	C&I	V1	M	2000	4000
145157	CABLE CMPNSTNG:1.5 MM2;CONSTANTAN/IRON	CABLE, COMPENSATING: CONDUCTOR SIZE: 1.5 MM2; MATERIAL: CONSTANTAN/IRON; SUPPL P/N: 1800-62500; REFERENCE NO: JX24S-PVC-PVC; COVERING PVC; INSULATION: PVC; INSTRUMENTATION	GCS	V1	M	100	200

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145198	CABLE CMPNSTNG:PVC;1.3 MM2	CABLE, COMPENSATING: SHEATH: PVC; CONDUCTOR SIZE: 1.3 MM2; MATERIAL: AL/CHROMEL/PVC; REFERENCE NO: 1802-63500KX; THERMOCOUPLE EXTENSION CABLE, 2 CORE SINGLE PAIR, POSITIVE WIRE MATERIAL: CHROMEL, POSITIVE WIRE COLOUR: YELLOW PVC, OUTER PVC TO BE YELLOW AS PER AMERICAN STANDARD ANS\MC96.1, NEGATIVE WIRE MATERIAL: ALUMEL, NEGATIVE WIRE COLOUR: RED PVC, OVERALL SHIELD OF ALUMINIUM MYLAR TAPE WITH SOLID COPPER DRAIN WIRE, OUTER COVERING TO BE FIRE RESISTANT PVC JACKET	GCS	PD	M	1000	2000
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145231	CABLE COMM:INSTRUMENTS;0.5 MM2;PVC GRAY	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 16 CU STRANDED TWISTED PR; CONDUCTOR SIZE: 0.5 MM2; SHEATH MATERIAL: PVC GRAY; INSULATION: PVC; SCREEN: AL MYLAR FOIL; SUPPL P/N: UVG16ACV; COLOUR CODED (1 X BLUE, 1 X RED 1 X GREY, 1 X YELLOW, 1 X GREEN, 1 X BROWN, 1 X WHITE AND 1 X BLACK), COMPLETE WITH DRAIN WIRE, CONTINUOUS LENGTH MARKINGS AT 1M INTERVALS(STARTING AT 1M AT BEGINNING OF ROLL) TO BE INDELIBLY PRINTED ON SHEATH AS PER ESKOM REFERENCE NWS 1525; PVC	C&I	V1	M	2000	4000
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145307	CABLE COMM:INSTRUMENTS;0.5 MM2;PVC GRAY	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 8 CU STRANDED TWISTED PR; CONDUCTOR SIZE: 0.5 MM2; SHEATH MATERIAL: PVC GRAY; INSULATION: PVC; CONDUCTOR RATING: 3000-5000 V; SCREEN: METALLIC TAPE; SUPPL P/N: UVG4ACV; DRAWING NO: NWS1525 REV 1; ESKOM 0.00/2713 REV 1; REFERENCE NO: 1525; CONTROL INSTRUMENT, COLOUR CODE BLUE, RED, GREY, YELLOW, GREEN, BROWN, WHITE AND BLACK, CORE MARKINGS RINGS, NO ARMOURING, CHECK IF ITEM IS ON ENC, IN ACCORDANCE WITH STANDARD SPECIFICATION FOR POWER STATION CONTROL AND INSTRUMENT CABLES; PVC	GCS	V1	M	2000	4000
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145314	CABLE COMM:INSTRUMENTS;0.5 MM2;PVC GRAY	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 4 CU STRANDED TWISTED PR; CONDUCTOR SIZE: 0.5 MM2; SHEATH MATERIAL: PVC GRAY; INSULATION: PVC; CONDUCTOR RATING: 3000-5000 V; SCREEN: METALLIC TAPE; DRAWING NO: ESKOM 0.00/2713 REV 1; NWS 1525 REV 1; REFERENCE NO: UVG2ACV; CONTROL INSTRUMENT, COLOUR CODE BLUE, RED, GREY, AND YELLOW, NO ARMOURING, IN ACCORDANCE WITH STANDARD SPECIFICATION FOR POWER STATION CONTROL; PVC	C&I	V1	M	3000	6000
234030	CABLE COMM:INSTRUMENTS;32;0.5 MM;PVC	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 32; CONDUCTOR SIZE: 0.5 MM; INSULATION: PVC; SUPPL P/N: UVG32ACV; FOR USE ON C AND I MAINTENANCE; PVC	C&I	V1	M	2000	4000
234031	CABLE COMM:INSTRUMENTS;8;0.5 MM;PVC	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 8; CONDUCTOR SIZE: 0.5 MM; INSULATION: PVC; SUPPL P/N: UVG08ACV; FOR USE ON C AND I MAINTENANCE; PVC	C&I	V1	M	2000	4000

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571337	CABLE:RACK SMART SLOT;LG 2.5 M;CU	CABLE: TYPE: RACK SMART SLOT; LENGTH: 2.5 M; MATERIAL: CU; MANUF P/N: TC-006-2-2M5	C&I	V1	EA	4	8
571338	CABLE:FAN POWER;LG 1.5 M;CU	CABLE: TYPE: FAN POWER; LENGTH: 1.5 M; MATERIAL: CU; MANUF P/N: TC-011-02-1M5	C&I	V1	EA	4	8
571339	CABLE:EXPANDER;LG 2 M;CU	CABLE: TYPE: EXPANDER; LENGTH: 2 M; MATERIAL: CU; MANUF P/N: TC-301-02-2M0	C&I	V1	EA	4	8
571340	CABLE:RACK POWER;LG 1.5 M;CU	CABLE: TYPE: RACK POWER; LENGTH: 1.5 M; MATERIAL: CU; MANUF P/N: TC-001-02-1M5	C&I	V1	EA	8	16
605571	CABLE:INSTRUMENT;10 MM;LG 200 M	CABLE: TYPE: INSTRUMENT; DIAMETER: 10 MM; LENGTH: 200 M; MATERIAL: TEFLON INSULATION; SPECIFICATION: LI2YCY(PIMF); SUPPL P/N: 0034060; USED ON UNIT 1 TO 6 TURBINE SUPERVISORY INSTRUMENTS SUCH AS X AND Y SHAFT VIBRATION SENSOR; LOW AND HIGH PRESSURE DIFFRENTIAL; CORE 2X2X0.5 MM	C&I	V1	M	200	400

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618291	CABLE:CONNECTION;12 X 0.5 MM2;LG 15 M	CABLE: TYPE: CONNECTION; DIAMETER: 12 X 0.5 MM2; LENGTH: 15 M; MATERIAL: PVC; SPECIFICATION: UL AWM STYLE-2517; SUPPL P/N: CBL-V1C-MP3-15; 1117706-R04; USED ON THE DLX200/720 DETECTORS; COMPLETE WITH SHIELDING; TEMPERATURE RANGE: -40 TO 105DEC C; VOLTAGE RATING: 300V; CODUCTOR RESISTANCE AT 20DEG C	C&I	V1	EA	30	60
635109	CABLE:MULTI CORE 7/0.2 MM;0.8 MM;LG 15 M	CABLE: TYPE: MULTI CORE 7/0.2 MM; DIAMETER: 0.8 MM; LENGTH: 15 M; MATERIAL: PVC; SPECIFICATION: ESI 09-6 SECTION 3 OR VDE 0815; SUPPL P/N: EA81-008-XXX; REFERENCE NO: EA81-008-XXX; PVC MATERIAL, DIAMETER:0.8MM, AREA: 0.50MM SQUARE, TYPE: (T96) 7-2-6C BLACK PVC INSULATION, 15M LENGTH, MULTI-CORE 7/0.2MM TO DEF STD 61-12 PT4 OR ESI 09-6 SECTION 3 OR VDE 0815	C&I	V1	EA	10	20

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653855	CABLE FBR OPTC:ARMOTUBE;6;62.5/125 UM	CABLE, FIBER OPTIC: TYPE: ARMOTUBE; FIBER COUNT: 6; CORE DIAMETER: 62.5/125 UM; SHEATH: LOW SMOKE ZERO HALOGEN; FIBER SIZE: 62.5/125 UM; OUTSIDE DIAMETER: 11.2 MM; MANUF P/N: OFC-ARM-ZDF6515; ARMOURED LSZH; MULTI MODE; DRY WATER BLOCK; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	C&I	V1	M	3000	6000
653856	CABLE FBR OPTC:ARMOTUBE;12;50/125 UM	CABLE, FIBER OPTIC: TYPE: ARMOTUBE; FIBER COUNT: 12; CORE DIAMETER: 50/125 UM; SHEATH: LOW SMOKE ZERO HALOGEN; FIBER SIZE: 50/125 UM; OUTSIDE DIAMETER: 11.2 MM; MANUF P/N: OFC-ARM-VOF1624; DRY WATER BLOCK; ARMOURED LSZH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	C&I	V1	M	500	1000

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656446	CABLE COMM:PROFIBUS FC STANDARD;0.65 MM	CABLE, COMMUNICATION: TYPE: PROFIBUS FC STANDARD; CONDUCTOR: 2 CORE, CU; CONDUCTOR SIZE: 0.65 MM; SHEATH MATERIAL: PVC; MANUF P/N: 6XV1830-0EH10; SIMATIC NET; 2 WIRE SHIELDED	C&I	V1	M	14	28
661244	CABLE ASSY:USB-VM SIP;5.2 MM;LG 15 CM	CABLE ASSEMBLY: TYPE: USB-VM SIP; DIAMETER: 5.2 MM; LENGTH: 15 CM; MATERIAL: PVC; MANUF P/N: 470-10954; CONVERTS THE KEYBOARD, MONITOR AND MOUSE SIGNALS FROM A SERVER AND DRIVES IT THROUGH A SIGNALE CAT 5 CABLE; CONNECTOR 1 X USB-AM; 1 X 15 PIN; HD D SUB M; CONNECTOR 2 RJ-45FM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	C&I	V1	EA	2	4

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663690	CABLE COMM:TRAILING;COPPER;6 MM2;PVC	CABLE, COMMUNICATION: TYPE: TRAILING; CONDUCTOR: COPPER; CONDUCTOR SIZE: 6 MM2; SHEATH MATERIAL: PVC NITRILE; INSULATION: PVC; SPECIFICATION: SANS 1507/2002; MANUF P/N: TR006004P; FLEXIBLE; STRANDING N0 74 X DIA 0.31; CURRENT RATING 36 AMPS; NOMINAL DIA 16.1MM; TEMPERATURE RANGE -10 TO 70 DEG C; SHEAT COLOUR ORANGE; 4 CORE(REDF, YELLOW, BLUE, BLACK); FOR WIRING OF PORTABLE AND MOBILE MACHINERY; VOLTAGE 600/1000V	CAB	V1	M	1000	2000
666065	CABLE:FLAT;WD 50 X THK 5.7 MM;LG 130 M	CABLE: TYPE: FLAT; DIAMETER: WD 50 X THK 5.7 MM; LENGTH: 130 M; MATERIAL: COPPER; SPECIFICATION: HD 359 S2: IEC 60227-6; MANUF P/N: H07VVH6-F 12G2.5; 12 CORE; CROSS SECTION AREA 2.5MM2; CONDUCTOR FLEXIBILITY; FLEXIBLE CLASS 5; MINIMUM BENDING RADIUS 57MM	C&I	V1	EA	2	4

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666066	CABLE:FLAT;WD 21 X THK 6.5 MM;LG 130 M	CABLE: TYPE: FLAT; DIAMETER: WD 21 X THK 6.5 MM; LENGTH: 130 M; MATERIAL: COPPER; SPECIFICATION: HD 359 S2; IEC 60227-6; MANUF P/N: H07VVH6-F 4G4; 4 CORE; CROSS SECTION AREA 4MM2; CONDUCTOR FLEXIBILITY; FLEXIBLE CLASS 5; MINIMUM BENDING RADIUS 65MM	C&I	V1	EA	2	4
666570	BOX COMM:OPTICAL CABLE TERMINAL;STL	BOX, COMMUNICATION: TYPE: OPTICAL CABLE TERMINAL; SIZE: WD 158 X LG 260 X HT 60 MM; MATERIAL: STL; CONNECTION PAIR: 2 CABLE ENTRIES; MANUF P/N: BTE12; WITH SLICING TRAY FOR 12 CONNECTORS SC; WALL MOUNTING PLATE; CABLE ENTRY FROM THE TOP; 8 OR 12 SC CONNECTORS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	C&I	V1	EA	5	10

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670178	CABLE COMM:CONTROLLER;1 CORE;24 AWG;PVC	CABLE, COMMUNICATION: TYPE: CONTROLLER; CONDUCTOR: 1 CORE; CONDUCTOR SIZE: 24 AWG; SHEATH MATERIAL: PVC SHIELDED; INSULATION: PVC; MANUF P/N: IP-RTUCABLE-DCR; COMMUNICATE FROM RJ45(M) TO DB 9(M); CAT5	WAT	V1	EA	4	8
699132	CABLE:CAT 5E ETHERNET;5 MM;LG 2 M;COPPER	CABLE: TYPE: CAT 5E ETHERNET; DIAMETER: 5 MM; LENGTH: 2 M; MATERIAL: COPPER; CAT 5E ETHERNET CONNECTING CABLE T-PAIR 2M LONG; ARTICLE NUMBER TCR 099 014 4; USED ON VORECON; LAC11/12/13 AP010 MK01	FWS	V1	M	12	24
699133	CABLE:CAT 5E EHERNET;5 MM;LG 3 M;COPPER	CABLE: TYPE: CAT 5E EHERNET; DIAMETER: 5 MM; LENGTH: 3 M; MATERIAL: COPPER; CAT 5E ETHERNET CONNECTING CABLE T-PAIR 3M LONG; REF NO: TCR 099 0142; USED ON VORECON LAC11/12/13 AP010 MK01	FWS	V1	M	12	24

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714301	COUPLER FBR OPTC:ROTARY;MULTIMODE;AL	COUPLER, FIBER OPTIC: TYPE: ROTARY; MODE: MULTIMODE; CONNECTION: STANDARD; DIMENSIONS: DIA 200 X LG 330 MM; APPLICATION: CABLE REEL; MATERIAL: ALUMINIUM; SUPPL P/N: ST- LWLM/80/12/G1/2; NUMBER OF EFFECTIVE TURN: 80; NUMBER OF FIBERS: 12; GRADED INDEX FIBERS 50/125 MICRON; ROBUASR VERSION, CONNECTION BOXES ON ROTARY AND STATIONARY ENDS WITH STRAIGHT TIP (ST) CONNECTORS., TERMINAL STRIPS AND COUPLINGS INCLUDED. FOR USE AT THE COAL STACKER AND RECLAINER CABLE REELS	C&I	V1	EA	1	2
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no material number	Cable drum 1000m used on the Govenor valves	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 4 CU STRANDED TWISTED PR; CONDUCTOR SIZE: 1.5 MM2; SHEATH MATERIAL: PVC GRAY; INSULATION: PVC; CONDUCTOR RATING: 3000-5000 V; SCREEN: METALLIC TAPE; DRAWING NO: ESKOM 0.00/2713 REV 1; NWS 1525 REV 1; REFERENCE NO: UVG02DCM; CONTROL INSTRUMENT, COLOUR CODE BLUE, RED, GREY, AND YELLOW, NO ARMOURING, IN ACCORDANCE WITH STANDARD SPECIFICATION FOR POWER STATION CONTROL; PVC	C&I	V1	M	1000	2000
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no material number	Type K Compensating Cable 2 Core (2x1,3mm ²) for general purpose	<p>CABLE, COMPENSATING: SHEATH: PVC; CONDUCTOR TYPE: SOLID; CONDUCTOR SIZE: 2 X 1.3 MM; 16 AWG; MATERIAL: AL/CHROMEL/PVC; REFERENCE NO: KX-1/1.3-PVC.MYL-PVC (ANSI); TYPE: K-TYPE; CABLE DESCRIPTION: THERMOCOUPLE EXTENSION CABLE TCL- TYPE-K SINGLE PAIR STRANDED PVC WITH MYLAR ALUMINIUM TAPE OVER PVC INSULATED COMPENSATING CABLES; SPECIFICATION: 2 CORE SINGLE PAIR SOLID CONDUCTOR, POSITIVE WIRE MATERIAL: CHROMEL, POSITIVE WIRE COLOUR: YELLOW PVC, OUTER PVC TO BE YELLOW AS PER AMERICAN STANDARD ANSIMC96.1, NEGATIVE WIRE MATERIAL: ALUMEL, NEGATIVE WIRE COLOUR: RED PVC, OVERALL SHIELD OF ALUMINIUM MYLAR TAPE WITH SOLID COPPER DRAIN WIRE; INSULATION: OUTER COVERING TO BE FIRE RESISTANT PVC; OEM P/N: A25-K; APPLICATION: FOR USE ON C AND I MAINTENANCE</p>	C&I	V1	M	1000	2000
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no material number	Type K Compensating Cable 2 Core TEFLON (2x7x0,22mm2)	CABLE, COMPENSATING: SHEATH: TEFLON*; CONDUCTOR TYPE: STRANDED; CONDUCTOR SIZE: 2 X 7 X 0.3 MM, 24AWG; MATERIAL: AL/CHROMEL/TEFLON*; REFERENCE NO: KX-20S-FEP-FEP (ANSI KX 1 x 2 x 2,1 MM ROUND); TYPE: K-TYPE; CABLE DESCRIPTION: THERMOCOUPLE EXTENSION CABLE TCL- TYPE-K SINGLE PAIR STRANDED TEFLON*; SPECIFICATION: 2 CORE SINGLE PAIR STRANDED CONDUCTOR, POSITIVE WIRE MATERIAL: CHROMEL, POSITIVE WIRE COLOUR: YELLOW TEFLON*, OUTER TEFLON* TO BE YELLOW AS PER AMERICAN STANDARD ANS\MC96.1, NEGATIVE WIRE MATERIAL: ALUMEL, NEGATIVE WIRE COLOUR: RED TEFLON*; INSULATION: OUTER COVERING TO BE FIRE RESISTANT TEFLON* JACKET; OEM P/N: B60-K; APPLICATION: FOR USE ON C AND I MAINTENANCE	C&I	PD	M	1000	2000
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761311	Type K Compensating Cable 2 Core (2x0,8mm) for extreme high temperatures	<p>CABLE, COMPENSATING: SHEATH: FIBRE GLASS; CONDUCTOR TYPE: STRANDED; CONDUCTOR SIZE: 2 X 7 X 0,2 MM, 24 AWG; TYPE: K-TYPE; CABLE DESCRIPTION: FIBREGLASS & CERAMIC FIBRE INSULATED SINGLE PAIRS; SPECIFICATION: ONE PAIR OF STRANDED CONDUCTORS, EACH CONDUCTOR DOUBLE GLASS FIBRE LAPPED, GLASS FIBRE BRAIDED AND SILICONE VARNISHED. PAIR LAID FLAT, GLASS FIBRE BRAIDED OVERALL AND IMPREGNATED WITH SILICONE VARNISH; CONDUCTOR: 2 CORES (YELLOW AND RED IN COLOUR) WITH STRANDED CONDUCTOR FOR EACH CORE; INSULATION: GLASS BRAID OUTER WITH STAINLESS STEEL OVERBRAID OVERALL COMPENSATING CABLE, CONTINIOUS +480 DEGC, SHORT TERM +540 DEGC; OEM P/N: C60-K; REFERENCE: ANSI KX 1 x 2 x 1,4 MM ROUND; FOR USE ON C AND I MAINTENANCE</p>	C&I	V1	M	1000	2000
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