

Statutory basis: Electricity at Work Regulations 1989 reg 4, with HSE guidance HSG85 (3rd edition, 2013), for work on routes shared with cables that are live — and reg 14 if a damaged live cable is found. The cable winch, rollers, socks and drum jacks are work equipment under PUWER 1998; lifting cable drums on and off vehicles and stands is a lifting operation under LOLER 1998. Drum handling falls under the Manual Handling Operations Regulations 1992, and pulls from tray, ladder and risers under the Work at Height Regulations 2005. This document is the recorded safe system of work required by HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Installing heavy sub-main, armoured and single-core cables by winch or by a team along tray, ladder and risers inside buildings: lifting drums on and off vehicles and stands, rollers and guides at changes of direction, the winch and its tension limit, communication along the run, riser pulls, pulling alongside existing live cables, and making good fire-stopping opened for the pull.

This document does not cover: cable installation generally — sub-mains and final circuits, drum handling, pulling, dressing and identification (KD-RAMS-EL-002), which this document supplements for heavy winched and riser pulls in depth; containment (KD-RAMS-EL-001); terminations (KD-RAMS-EL-004); the lift plan itself, which is the appointed person's; and pulls through external ducts, drawpits and chambers.

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. Cable drum toppling, rolling or dropping during lifting and positioning

At risk: Operatives, drivers, passers-by

Controls: Drums lifted on and off vehicles by lorry-loader, telehandler or crane under the site's lift plan and lifting permit, with a spindle through the drum rated for its weight — never rolled off a tailgate. Drums chocked on firm, level ground on jacks or stands rated for the drum; exclusion zone during every lift.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Pulling rope, sock or swivel failure — whiplash and snap-back

At risk: Operatives along the run

Controls: Rope, swivel and sock rated above the winch's maximum pull. The winch tension limiter is set to the lowest of the cable maker's maximum pulling tension and the rating of the sock or pulling eye. Nobody stands in line with a rope under tension or inside the bight at a change of direction.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Hands and fingers drawn into rollers, drum flanges or winch capstans

At risk: Operatives

Controls: Rollers and guides fixed before the pull; nobody feeds cable by hand at a roller while it moves; gloves that cannot catch on the capstan; winch operated by one trained person with a clear stop signal.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Loss of communication — the pull continues while someone is trapped or cable is snagged

At risk: Operatives

Controls: Radios checked before the pull; a person at the drum, the winch and every change of direction; any one of them can call STOP and the winch stops at once. No restart until every position answers.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Cable running away or dropping in a riser

At risk: Operatives, anyone below

Controls: Riser pulls to the cable maker's method — lowered from a braked drum at the top, or winched upward from the bottom with the drum braked — with the cable clamped at the intervals the maker states as it goes. Open riser floors protected before the pull; exclusion below riser openings.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

6. Damaging the sheath or insulation of existing live cables on a shared route

At risk: Operatives, the building

Controls: Live cables identified on the route walk; rollers and protective sheeting where the new cable passes them; no dragging over tray edges. Damage found is reported and the damaged cable is made dead before anyone handles it.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

7. Manual handling strain and falls at high-level pulling positions*At risk: Operatives, anyone below*

Controls: Winch for any run a team could not control; enough people spaced along the run; heavy cable lifted onto tray with mechanical aids; tasks rotated. Podiums, towers or MEWPs at each pulling position; nobody stands on tray.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

8. Fire compartment left breached by penetrations opened for the pull*At risk: Building occupants*

Controls: Penetrations opened for the pull are listed as opened, temporarily sealed at the end of every shift, and fire-stopped to the tested detail once the cable is dressed.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- Confirm the cable schedule, drum weights, run lengths, the cable maker's maximum pulling tension, minimum bending radius and riser clamping method.
- Walk the route; mark changes of direction, live cables, riser openings and penetrations to be opened.
- Lift drums under the lift plan and lifting permit with the spindle and rated equipment; position on jacks or stands, chocked.
- Fix rollers, corner guides and protective sheeting; set up access at every pulling position; protect open riser floors.
- Rig the winch, rope, swivel and sock; set the tension limiter to the lowest rated component; brief every position on signals and the STOP call.
- Radio check every position. Start slowly and keep the pull steady. STOP on any snag, rope noise, a missed radio check or anyone entering the rope line.
- For riser pulls, lower from the braked drum or winch upward as planned, clamping at the stated intervals as the cable passes each floor.
- Pull through; secure the cable end before releasing tension; seal cable ends. Dress and clear the cable from access equipment, not from the tray.
- Temporarily seal every opened penetration at shift end; fire-stop to the tested detail and record it.
- Remove rollers and sheeting, return the drum or waste to its collection point, and leave the route clear.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE**5 PLANT, EQUIPMENT AND MATERIALS**

- | | |
|---|---|
| Cable drum jacks or stands with spindle | Rollers, corner guides and riser cable clamps |
| Cable winch with tension limiter or dynamometer | Two-way radios |
| Rope, swivel and cable socks rated above the winch's maximum pull | Podiums, towers or MEWP at pulling positions |

INSPECTION / THOROUGH EXAMINATION REFS**COSHH ASSESSMENT REFS****6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST**

- | | | |
|-----------------|---------------------|------------------------------|
| Head protection | Gloves — task-rated | Arc-rated PPE where assessed |
| Safety footwear | Eye protection | |
| High visibility | Hearing protection | |

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED**7 PERMITS REQUIRED BEFORE THIS WORK STARTS**

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

KD-PTW-LO-008 — Lifting Operations Permit

For lifting drums by lorry-loader, telehandler or crane.

PERMIT NUMBER**KD-PTW-WH-006 — Work at Height Permit**

Where the site requires a permit for high-level and riser pulling positions.

PERMIT NUMBER

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION	NEAREST A&E	ASSEMBLY POINT
HOW THE ALARM IS RAISED	EMERGENCY ACCESS FOR THIS WORK AREA	SPILL / ENVIRONMENTAL RESPONSE

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-09-11	first-issue	First issue.	— not yet approved —
A0	2026-09-11	review	Approved for issue by the author. Content unchanged from the reviewed draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft; not approved and not for sale; A = approved for issue by the person named, on the date shown.