

Risk Assessment

RA033 – Use of Extension Cables



ABI Equipment Ltd	Creation Date: 17/08/20
Use of Extension Cables	

Main Hazards are:	
Electric shocks due to damaged cable or fitting	Fires due to Over Heating
Tripping over the cable	
Persons / Property affected	
All Employees	General Public
Visitors	

Assessment of Risk:	Severity	4	X	Likelihood	4	= Risk	16
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Control Measures already in Place	PPE Required
1. The extension cable, plugs and sockets should be inspected for damage before every use.	Safety helmets <input type="checkbox"/>
2. Extension cables should only be used in clean and dry areas.	Hi-Vis Jackets <input type="checkbox"/>
3. Always check the extension lead plug contains the correctly rated fuse for the equipment being used.	Safety footwear <input checked="" type="checkbox"/>
4. Never repair an extension lead but dispose of it appropriately marking it as unfit for use.	Eye protection <input type="checkbox"/>
5. It is preferable that the extension lead on a cable drum should be completely unwound before being used.	Dust masks <input type="checkbox"/>
6. Never join two extension cables together.	Ear plugs <input type="checkbox"/>
7. Cover over the cable with a rubber protective strip if the cable is likely to be walked over.	Earmuffs <input type="checkbox"/>
8. Position an extension lead carefully to prevent any risk of damage.	Gloves <input checked="" type="checkbox"/>
9. Whilst in use carry out regular checks for burn marks or staining that may suggest the extension lead may have been overheating.	Protective overalls <input checked="" type="checkbox"/>
10. Choose the correct length extension lead for the task in hand.	Gauntlets <input type="checkbox"/>
11. Where cables are suspected to be damaged, they should be marked DO NOT USE and placed into quarantine for inspection	Harnesses <input type="checkbox"/>
12. The cable should be unplugged after use and returned to stores	Breathing apparatus <input type="checkbox"/>
	Face masks <input type="checkbox"/>

Assessment of Risk:	Severity	4	X	Likelihood	3	= Risk	12
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Additional Controls required	PPE/Equipment
All extension cables should be kept in a safe, clean and dry place.	
Workshop area should be cleared to ensure the cable can be unwound and laid out properly	
Where there is any doubt as to the condition of the cable it should not be used.	
The employee must be adequately trained and competent to operate in the area in which they are to work.	
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

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Assessment of Risk:	Severity	4	X	Likelihood	1	= Risk	4
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Approval and Review			
Prepared by:	Derek Shale	17/08/2020	
Updated by	Ash Soliman	27/09/2024	
Review by:	Ash Soliman	27/09/2024	

RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
Likelihood (L)			Negligible	Slight	Moderate	High	Very High
	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

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