

WORK INSTRUCTIONS & ACCEPTANCE							
Job Number:	J1015		Quote Number:	Q1015			
Purchase Order Number:			Project Manager:	A Smith			
Customer Name:	ACME Tradir	ng	Tel Number:				
Contact Name:		0	Issue Date:	01.07.19			
Contact Tel Number:			Project Start Date:	04.07.19			
		SITE DETAIL					
Site Address:	ACME Tradir	ng					
	East Street						
	Birmingham						
	B1						
Site Contact Name:			Contact Tel Number:				
Summary of Work: Relocation and extension of existing fibre and category 5e network cables within Factory 1.							
The PM & Senior Enginee	r Must Carry C	Dut Hazard Identification a	and Sign-Off Risk Asses	sment Prior to Starting Work			
Amendments: Signed:							
Testing Parameters: (Tick r	equirement as	s applicable) ✓					
	Analyser OTDR		Power Meter	Electrical			
-	Test Test			Test			
Attachments: (Tick requirement as applicable) ✓							
Specification Drawing	gs/Plans	Method Statement	Site Directions				
	· · · · ·	· · · ·					
Engineers:	D Jones, B Davis Start Date: 04.07.19						
Summary of Work Variations:							
	•			these instructions, including			
	all Risk Assessments and Safe Working Practices.						
Engineer Name		Signature		Date			
Customor Sotiefaction		that the work has have a	malated in accordance	with these instructions			
Customer Satisfaction: Customer Name	am satisfied	that the work has been co					
Additional Comments:		Signature		Date			



Construction	Phase	Health	and Safety Plan (CDM 2015)			
IPNS Ltd Hillcrest, Station Road, Highley, Shropshire, WV16 6NP						
Job Number:			Customer Name:			
Installation Address:						
Site Contact Name:			Site Contact Number:			
Document Issued by:			Issue Date:			
Project Title:						
Description of Work:						
Start Date:			Estimated Completion Date			
Estimated Duration:		Working Hours:				
HSE Notifiable Project: No		Welfare Facility Provided:				
Site Supervisor Name:			No. of Engineers on Site:			
Permit to Work Required	1?		Competence and Certifications	Required?		
	Yes	No		Yes	No	
Hot Works		✓	CSCS/ECS Card	√		
Confined Spaces		✓	Manual Handling	✓		
Electrical Isolation		✓	Asbestos Awareness		✓	
Riser Shafts		✓	First Aid (EFAAW)		✓	
Crane Isolation		✓	Confined Space Trained		✓	
Work at Height	✓		PASMA (Mobile Towers)/IPAF		✓	
P	ersonal Pi	rotective	Equipment Required			
	Yes	No		Yes	No	
Safety Helmet		✓	Dust Mask		√	
Safety Boots/Shoes	✓		Hearing Protection		✓	
High Visibility Vest or Jacket	✓		Coveralls		✓	
Safety Glasses	✓		Body Harness + Lanyard		✓	
Safety Gloves	✓					
	Woi	rk Equipr	nent Required		I	
	Yes	No		Yes	No	
Step Ladders	✓		Power Tools (Battery)	√		
Ladders	✓		Temporary Task Lighting		✓	
Mobile Elevated Work Platform		✓	Electronic Test Equipment	✓		
Mobile Scaffold Tower		✓	CAT Scanner – Cable Avoidance Tool		✓	
Power Tools (110V)		✓				
	ification a	and Risk	Assessments Relevant to Project	·		
	Yes	No		Yes	No	
Network Cabling Installation	✓		MEWPS		✓	
Electrical Cabling Installation		✓	Mobile Scaffold Platforms		✓	
Manual Handling	✓		Violence & Aggression		✓	
Work at Height (Steps/Ladders)	✓		Lone Workers		✓	
Asbestos (ACMs)		✓	Use of temp lighting		✓	
Use of Power Tools (Drills/Jig Saw etc.)		✓	Customer Owned Equipment		✓	
Use of Mitre Saws		✓	Working Outside (Hot/Cold)	✓		
Hand Arm Vibration		✓	Operating Generators (P/D)		✓	



Control of Noise	✓	Stress		✓
Control of Dust	✓	Driving		✓
Confined Spaces	✓	Young Workers		~
INSTALLA	TION M	THOD STATEMENT		
Overview				
The proposal is for the extension of 2 no existing cables.	12 core, ON	13 fibre cables and the relocation of 4 no Cat	tegory 5e	network
<u>Fibre Cables</u>				
The existing cables between Deliveries and Prod between this point and MCR.	uction shall	be cut at point of entry to Deliveries, leaving	g the cable	es in situ
2 no new cables shall be routed on the exterior hoardings. The cable shall then be clipped, at he duct at Deliveries.			-	
The new cables shall be spliced to the existing ca to the wall behind the Deliveries counter.	ables and co	ontained within a lockable IP rated box, whi	ch shall be	e affixed
Category 5e Cables				
4 no Category 5e cables, located on the first floo building and relocated to the inspection pit betw		•	int of enti	ry to the
Network Cabling				
 Network cables are to be installed follow Network cables are to be installed free f 				
 Network cables, when not contained with a recommended interval of minimum 1 in plane. At times it may be necessary to plane. In false ceiling voids, it is not permissible 	hin trunkin metre on th rovide a gre to attach t	g or conduit, shall be banded together using e horizontal plane and at a minimum 300mr ater number of ties, especially on the vertic ie wraps to ceiling support wires, pipes carry tie wrap support components such as girde	m on the v al plane. ying water	vertical r or gas
	n as to exce	ed the maximum bending radius of the cable	۵	
When installing cables into trunking syst	ems provid	e protection to prevent damage to the oute cables, they will not be pulled with undue fo	r jacket.	
Network Cable Terminations				
 Network cables should not be bent to ex twists. 	ceed the m	inimum bending radius and should be free o	of kinks an	d
 The internal wires are twisted in pairs at characteristics. 	different ra	tios. This differential twist ratio gives the ca	able its ele	ctrical
Never alter the twist ratio by untwisting	and twistin	g by hand.		
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- Only untwist a maximum of 13mm of wire on each pair to effect termination. More than this will alter the cable characteristics.
- This measurement applies to both ends of the cable giving a maximum of 26mm total untwisted wire.
- Always follow the 568B wirings schedule unless the manufacturer specifies otherwise.
- The 568B schedule dictates which wire is terminated on which pin of a RJ45 connector, as follows;

White Orange = Pin 1 Orange White = Pin 2 White Green = Pin 3 Blue White = Pin 4 White Blue = Pin 5 Green White = Pin 6 White Brown = Pin 7 Brown White = Pin 8

Test Procedures

• IPNS will complete a 100% test on all installed network cables prior to handover to the customer.

Network Communication Cabinets

- Cabinet layout specification, supplied by the Customer.
- All Cables should enter the cabinets free from twists and sweep neatly onto cable trays.
- All Cables are to be dressed onto support structures free from twists.
- Dressing begins at a point below the false floor or within down drops.
- All Cables to be tied in regular bunches to both sides of the cabinet.
- Adequate Velcro tie wraps or cable sock to be used to support the weight of cable installed.
- Velcro Ties should not be too tight as to affect the electrical characteristics of the cables.
- Cables to be terminated with due regard to the cable and connector specifications.
- All cables to have wrap around label fitted to the outer jacket, approximately two inches back from the connector.
- Label to show either circuit designation or client authorised labelling detail.
- Cable Management Brackets to be fitted horizontally between Patch Panels and active equipment, to the proposed layout.
- Cabinet accessories, such as power strips, fans etc. to be fitted as per layout.
- Cabinet doors and accessories to have earth straps fitted to the cabinet frame.
- Cabinet external surfaces to be cleaned inside and out prior to handover to the client. This includes any glazed surfaces.

General Behaviour

As representatives of the company we expect the following conduct;

- All personnel to be polite and courteous to all members of client staff and site workers.
- Be clean, hygienic and presentable.
- No foul or abusive language on client premises.
- Racist or sexist comments will not be tolerated.
- No smoking while on site at all times.
- Adherence to site restrictions on smoking, eating and drinking.
- No consumption of alcohol during working hours, including the use of all illegal substances.



• Display a positive attitude with clients

Dress Code

• Engineers will wear company uniform and PPE as instructed.

Site Management

- Keep an inventory of all materials required.
- The inventory should contain quantities, supplier information, stock and deliveries.
- Update the inventory when goods are delivered and when components are used.
- Store all materials in a single central location.
- If possible, locate the inventory in a single secure area for ease of access and record keeping.
- Dispose of rubbish and scrap on a daily basis.
- Always maintain a clean and tidy site.
- Allocate tasks according to skill level and manpower needs.
- Give due regard to the safety of yourself, your colleagues and all persons with access to the site
- Make sure that the correct plant is available and in good working order.
- Hired plant should have instruction sheets and compliance certification.
- Carefully plan the working day.
- When the work is complete thoroughly clean all work areas.

Additional Control Measures

To be completed where applicable on site:

• Working areas are to be clearly identified with appropriate signage, to notify other workers and members of the public and cordoned off, wherever possible.

General Questions			Yes	No
Is a site induction require				
Has the asbestos register				
Are Permit to Work form				
Has all equipment been of				
Are any substances (cher	nicals) required? Please list			
Is the job safe to proceed Site Supervisor(s)	!?			
Name:	Date:	Signed:		
Name:	Date:	Signed:		
Site Operatives				
Name:	Date:	Signed:		
Name:	Date:	Signed:		
Name:	Date:	Signed:		
Name:	Date:	Signed:		
Name:	Date:	Signed:		