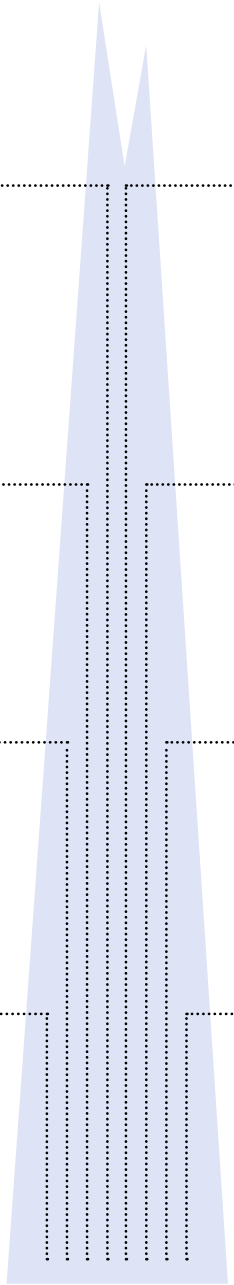
# THE SHARD

## KEY FEATURES OF CONNECTIVITY

WIRED CERTIFIED PLATINUM



### WIRELINE FIBRE CONNECTIVITY
Choice available of 7 unique sources of high-speed wireline fibre connectivity including BT Openreach, Colt, Vodafone, Level 3, Verizon,Virgin and Zayo

### FULLY DISTRIBUTED FIBRE
The following carriers fully distribute fibre throughout the building to support ease of tenant access: BT Openreach, Colt, Vodafone, Level 3, Verizon, Virgin and Zayo

### PROTECTED TELECOM CABLES
Telecom cables are kept in protected, secure riser cupboards throughout the building to minimise the risk of damage

### NO SERVICE INTERRUPTION
Telecom equipment is located in a secure, dedicated room to protect against service interruption

### ABILITY TO SERVICE TENANTS
BT Openreach is present which provides the ability for others carriers to service tenants in the building if required

### FUTURE-PROOF
Additional riser cupboard space is available to support future needs of tenants and carriers throughout the entire building

### REDUNDANCY AND DIVERSITY
Multiple communications intakes and dual riser cupboards support redundancy and diversity requirements for carriers and tenants

### BACKUP ELECTRICITY
Building provides the option of telco equipment connection to backup electricity in case of emergency

## AVAILABLE CARRIERS

| | | | |
|---|---|---|---|
| **BT OPENREACH** Direct Fibre Connection | **COLT** Direct Fibre Connection | **VERIZON** Direct Fibre Connection | **VODAFONE** Direct Fibre Connection |
| **BT OPENREACH** Copper Pairs (ADSL) | **LEVEL 3** Copper Pairs (ADSL) | **VIRGIN** Copper Pairs (ADSL) | **ZAYO** Copper Pairs (ADSL) |

WAYLEAVE present on all carriers

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# WIRED CERTIFICATION FACT SHEET

| CABLING TYPE | SPEED | USE |
|---|---|---|
| Copper | 20 Mbps Down<br>1 Mbps Up | Used in older Asymmetrical Digital Subscriber Line (ADSL) networks, these networks use copper telephone lines to provide internet access to customers. |
| **Coaxial** | **152 Mbps Down<br>20 Mbps Up** | **Used in most cable provider networks. Coax cable is used to provide shared internet access which is not a dependable connection.** |
| Fixed Wireless | 1,000 Mbps (1 Gig)<br>Down and Up | Rooftop based antenna networks are used for both primary and secondary forms of connectivity. Top choice for redundant connection because it doesn't rely on existing wireline cabling into a building. |
| **Fibre** | **10,000 Mbps (10 Gig)<br>Down and Up** | **Most technologically advanced form of cabling used in buildings. Direct fibre provides dedicated high speed connections with equal download and upload speeds.** |

| DISTRIBUTION TYPE | DEFINITION |
|---|---|
| Direct to Occupier Space Only | The standard cable distribution method in the UK. A carrier will run fibre from their equipment in the telecom room directly to the occupier. Each time a new occupier needs services, a new fibre will be connected to that occupier. |
| **Full Distribution** | **Full distribution means that multiple fibres are pre-run throughout the building to make connections to occupiers faster. Fibre will be run from the basement to top floor and will have accessible termination points every 4 floors (or fewer). This set-up drastically reduces the time it takes for occupiers to receive a new service.** |

| OTHER ITEMS | DEFINITION |
|---|---|
| BT Openreach | Openreach is an infrastructure platform open to over 500 secondary providers. These providers can lease fibre and copper from Openreach to provide service to occupiers. |
| **Backup Electricity** | **Internet services are provided over equipment that is powered by electricity. Having backup electricity mitigates the risk of a power failure disrupting internet service.** |
| Standard Wayleave | Standard Wayleave agreements describe the landlord's rules for installing, maintaining, and removing telecom equipment. Presence of these proactively developed terms and conditions help to ensure there is a streamlined process in place to allow new and existing providers to supply service to occupiers within the building. |