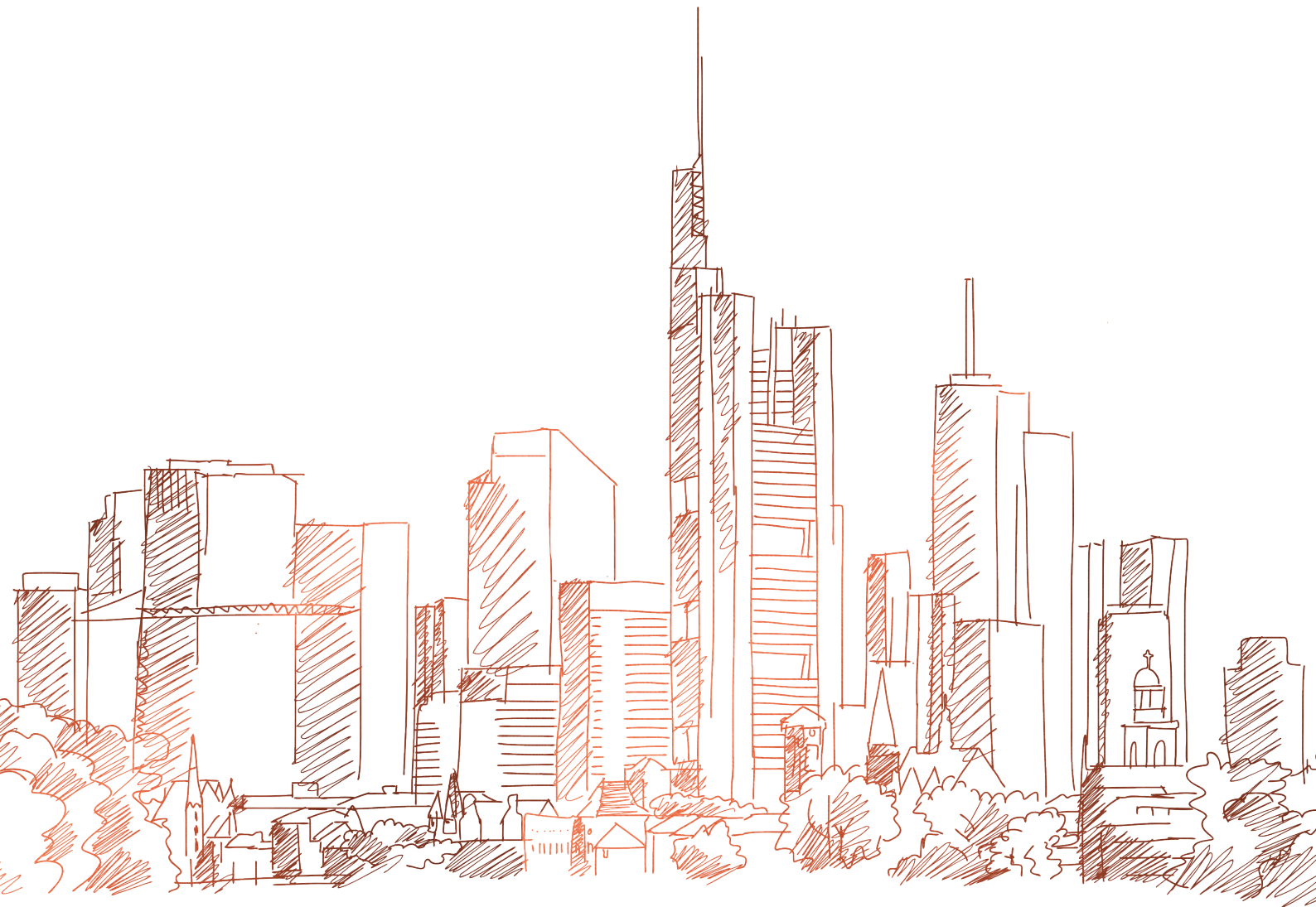


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Cable Selection Guide for Built Environment Sector

Building Automation Systems



**(Channeling
POWER)** 

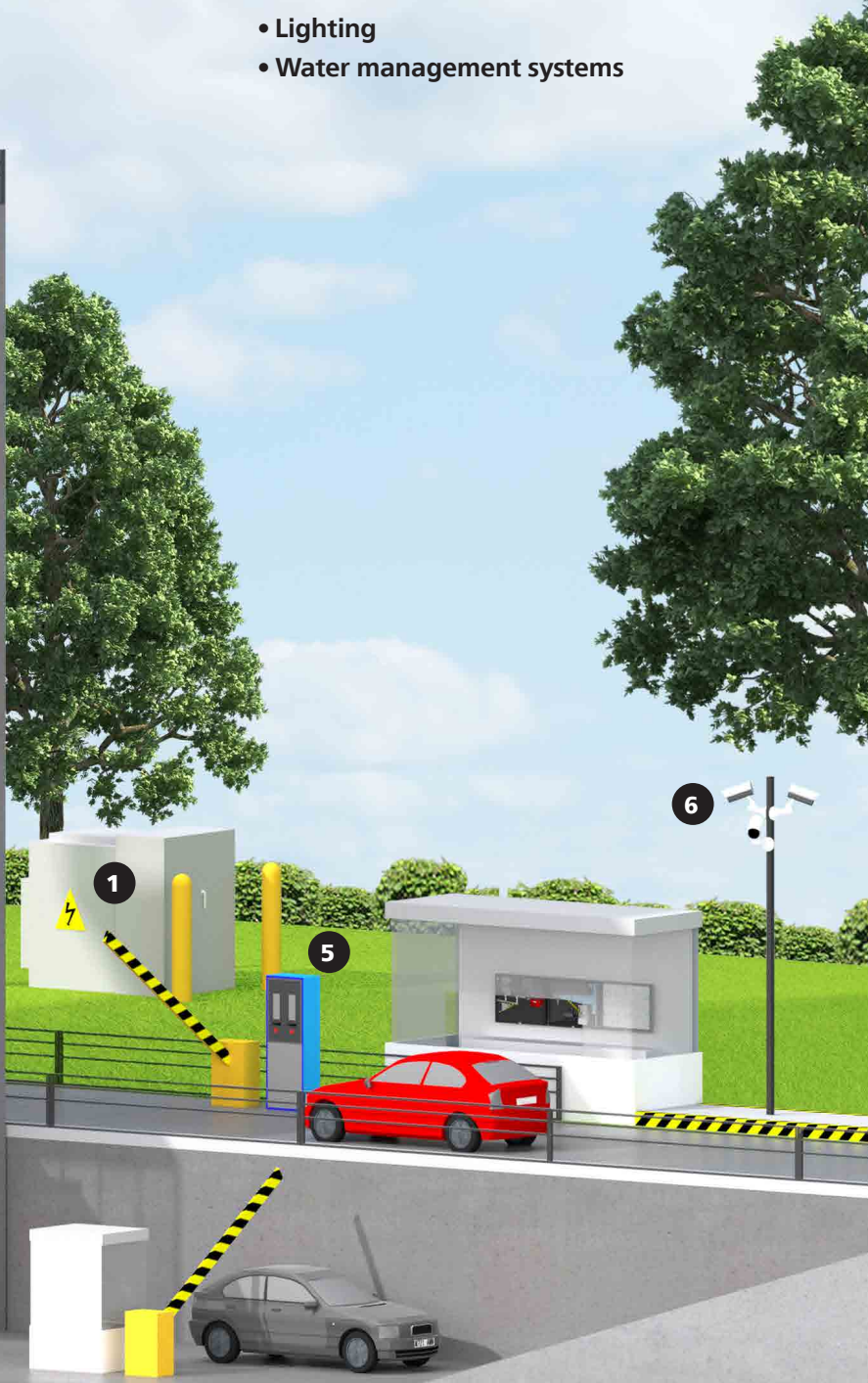
BUILDING AUTOMATION SYSTEMS

From security to accessibility, managing comfortability yet ensuring safety, a building management system governs a vast network of applications according to people's needs.



Applications

1. Power supply
2. Solar panels
3. HVAC
4. Fire alarms & PA systems
5. Access control
6. Security
7. Structured networks
8. Media technology
9. Lifts & Escalators
10. Car parks Management
11. Other applications:
 - EV chargers
 - Warehouse automation
 - Lighting
 - Water management systems



Cable Guide for BAS

FIRE ALARMS & PA SYSTEMS



Cables for equipment designed to detect and alert of any fire possibilities eliminate fire threats and protect lives and property.

Recommended Products

1 2 3 4 5 9 11 20 21 22
23

ACCESS CONTROL



Control the access of people within a building or office to ensure maximum security and safety.

Recommended Products

1 2 3 5 7 9 13 15 16 17
18 19 20 21 22 23

CCTV & SECURITY



Monitor and detect intrusions in building/office to provide maximum safety for people and assets within the building.

Recommended Products

1 2 3 4 5 9 15 16 17 18

POWER SUPPLY



At a building construction site, temporary power supply is necessary to power up tools, equipment, switchboards, lighting and generator output.

Recommended Products

8 10 11 12 13 14 15 16 17 22
23

SOLAR PANELS



Renewable energy cables are especially developed to withstand the weather conditions at building roofs; perfect for green-energy concepts.

Recommended Products

4 5 12 13 14 17 22 24

HVAC



Heating, ventilation, Air-conditioning is part of the building climate management-system to ensure maximum comfort for the occupants

Recommended Products

1 2 3 4 5 7 9 10 12 13
14 15 16 20 21 22 25 26

STRUCTURED NETWORKS

LIFTS & ESCALATORS

CAR PARKS MANAGEMENT



Local Area Network systems consist of cables (category 5e and 6) and connectivity products that interconnect offices, staff or building inside and out.



Vertical transport provides a faster and more efficient way to move people and goods to their desired destination.



Control car park entry, exit, and security as well as lights that indicate availability spaces to make parking easier.

Recommended Products

- 1 2 3 4 5 6 7

Recommended Products




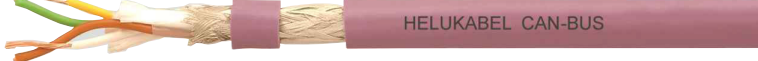
- 8 10 12 13 14 15 16 17 25

Recommended Products

- 8 10 12 13 15 16 17 25

Cable Selection

Data Network & Bus Technology Cables

- 
① ■■■ Cat 6, U/UTP PVC
- 
② ■■■ Cat 6, U/UTP LSZH
- 
③ ■■■ Cat 6, U/FTP UL
- 
④ ■■■ Cat 6a, F/FTP FRNC
- 
⑤ ■■■ Cat 7a, S/FTP FRNC
- 
⑥ ■■■ Can Bus Protocol Communication
- 
⑦ ■■■ EIB / KNX Standard

Halogen Free Cables



8 ■ ■ ■ Single core cables
450/750V and 0.6/1kV



9 ■ ■ ■ Data & Computer cables



10 ■ ■ ■ Control Cable, EMC-Preferred type



11 ■ ■ ■ Silicon, Heat Resistant Cable

Power & Control Cables



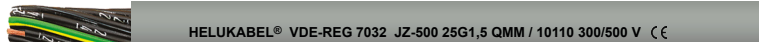
12 ■ ■ ■ Weather Resistant



13 ■ ■ ■ Power cables, PVC/PVC, 0.6/1kV



14 ■ ■ ■ Power cables, XLPE/PVC, 0.6/1kV



15 ■ ■ ■ Control Cables, number coded

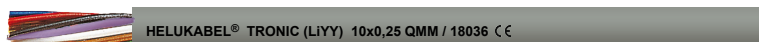


16 ■ ■ ■ Control Cables, color coded

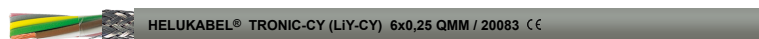


17 ■ ■ ■ Single Core Cables

Data & Computer Cables



18 ■ ■ ■ Data & Computer Cables



19 ■ ■ ■ Data & Computer Cables,
EMC-Preferred Type



20 ■ ■ ■ UL 2092 Approved Data Cables



21 ■ ■ ■ UL 2094 Approved Data Cables



22 ■ ■ ■ UL 2919 PE Approved Data Cables,
RS485



23 ■ ■ ■ Data & Computer Cables,
RS422 & RS485, UV Resistant

Special Cables



24 ■ ■ ■ Photovoltaic, DC Cables



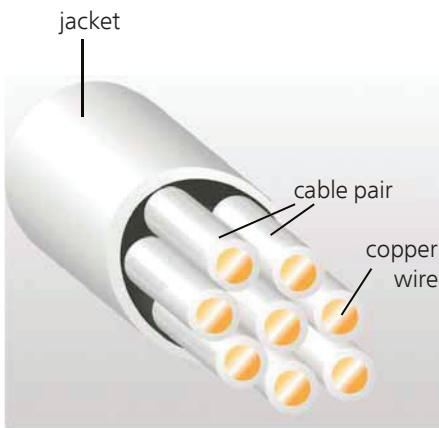
25 ■ ■ ■ Control Cables,
EMC-Preferred Type



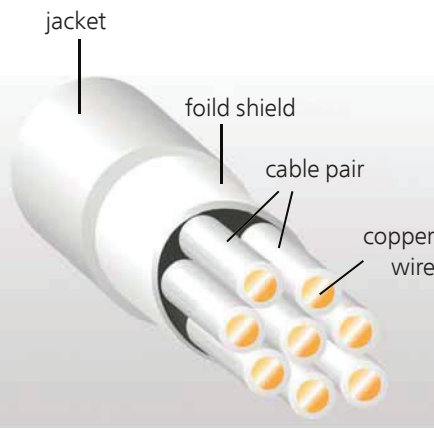
26 ■ ■ ■ Motor Power Supply Cable
For Frequency Converters

LAN-Cable Designation

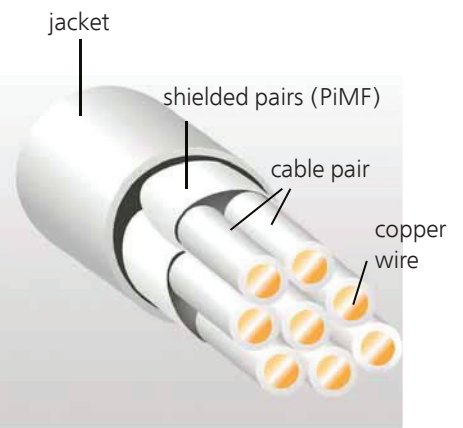
U/UTP (UTP*)



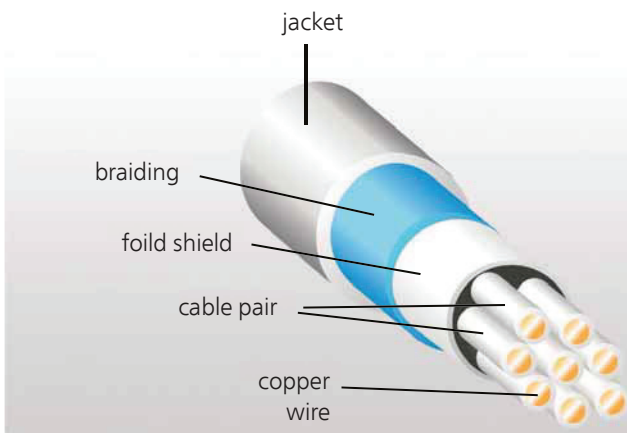
F/UTP (FTP*)



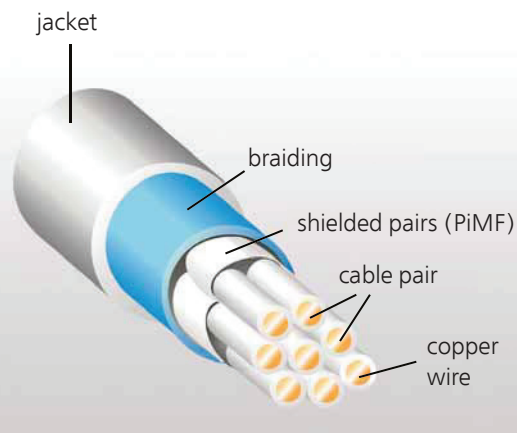
U/FTP (STP*)



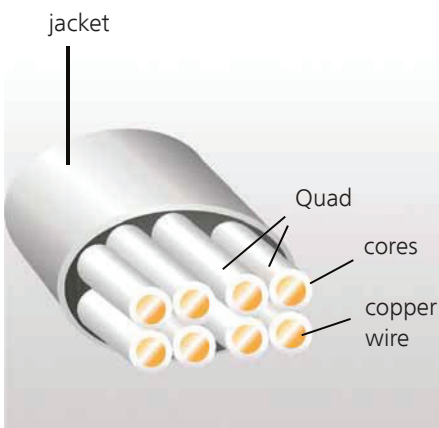
SF/UTP (S-FTP*)



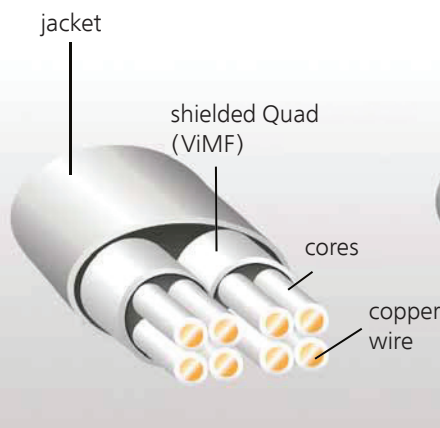
S/FTP (S-STP*)



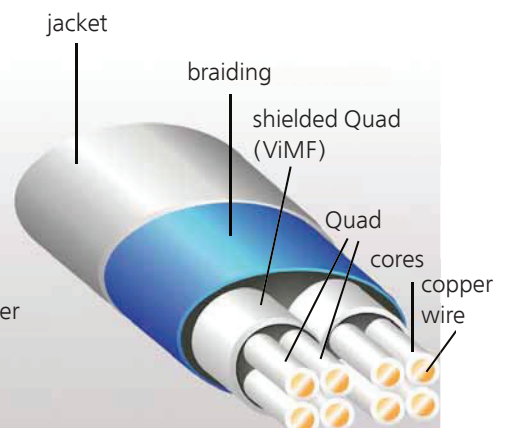
U/UTP (UTQ*)



U/FTP (S-STQ*)



S/FTP (S-STQ*)



(Channeling)
POWER 