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Telecommunication Copper Cable Solution

FiberHome Telecommunication Technologies Co., Ltd.

ADD: No.6, Gaoxin 4th Road, East Lake High-tech Development Zone, Wuhan City, Hubei 430205, China
TEL: +86-27-87693756 (workday) HTTP: www.fiberhome.com E-mail: support@fiberhome.com

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FiberHome Telecommunication Technologies Co., Ltd.



FiberHome Technologies

FiberHome Technologies Group is a leading equipment vendor and a global solution provider in the field of information technology and telecommunications. This high-tech enterprise is directly affiliated to the State-owned Assets Supervision and Administration Commission of the State Council. It is also the largest enterprise located in the Optics Valley, Wuhan, China. FiberHome Technologies Group was established in 1974. After continuous and intensive development for over 50 years, its business has been extended to R&D, manufacturing, marketing & sales, and engineering service in 4 major areas: fiber-optic communications, data networking communications, wireless communication, and intelligent applications. In particular, it has been providing end-to-end solutions integrated with opto-electronic devices, optical preforms, fiber & cables, and optical communication systems to many countries around the world.

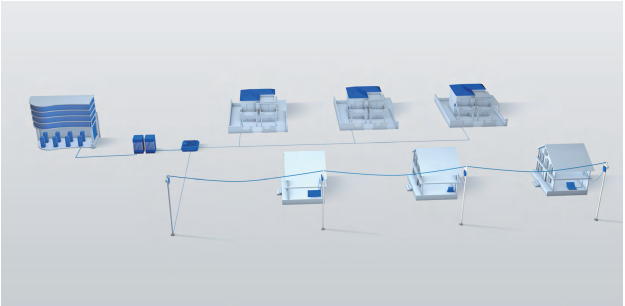


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CATV Coaxial Cable

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LAN Cable

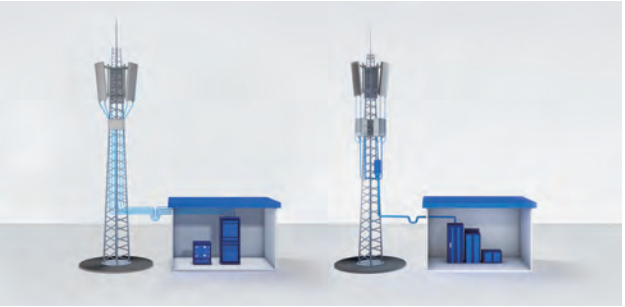
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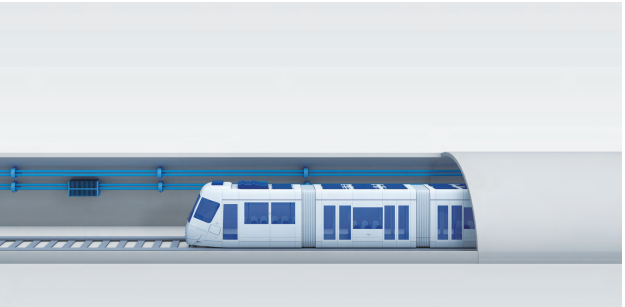
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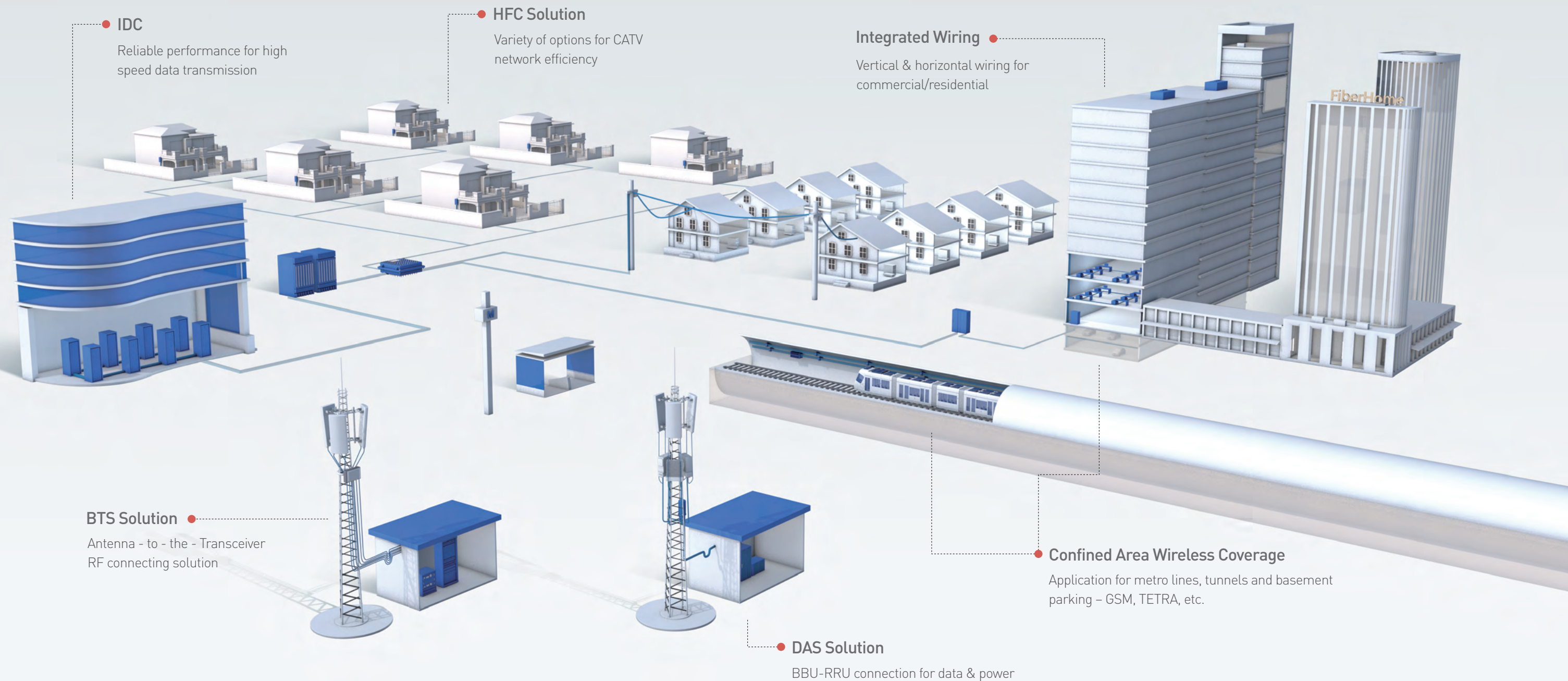


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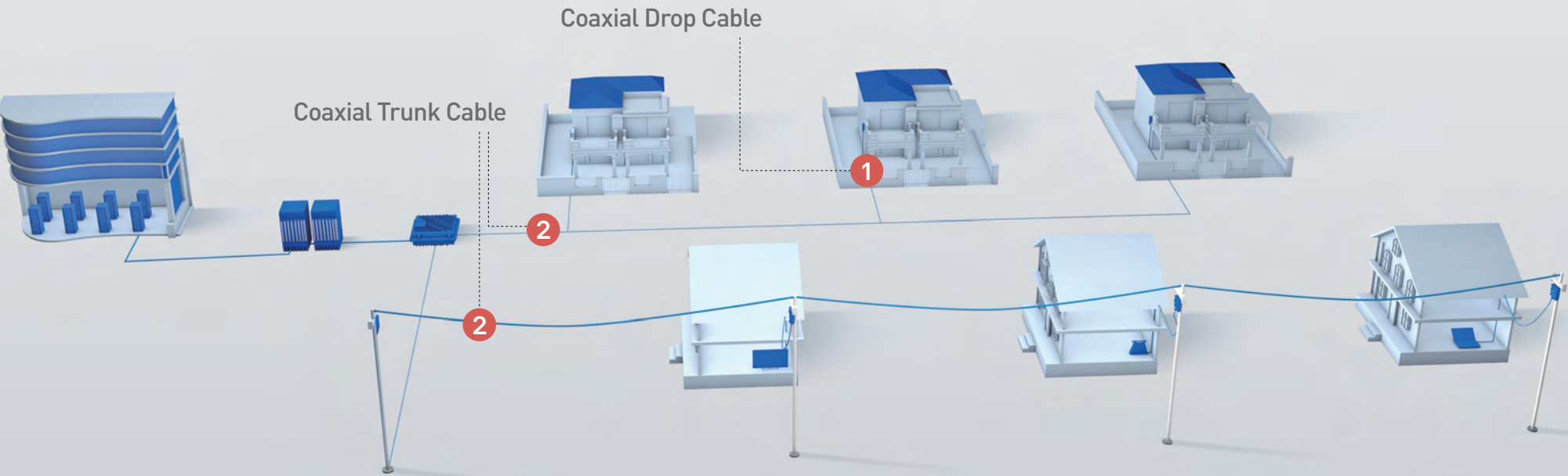
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Application

Field Application of FiberHome Telecommunication Copper Cable



▼ Typical Field Application of CATV Coaxial Cable



▼ *FiberHome CATV Coaxial Series provide the open and efficient connection solution for the HFC network with the traditional trunk & drop coaxial cables.*

1 CATV Coaxial – Drop Cable



2 CATV Coaxial – Trunk Cable



CATV Coaxial – Drop Cable

CATV Coaxial – Trunk Cable



Applications

- Applied typically for CATV HFC /DTH network

Standards Complied

- ANSI / SCTE 15
- ANSI / SCTE 74
- GR-1398-CORE and GR-1399-CORE

Features and Benefits

- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request

Technical Specification (Typical Type)

Series	Inner Conductor	Shielding	Max. Return Loss(5~1000Mhz)	Screen Attenuation	Installation
RG59	CCS / CU	Standard	≥22	≥22	Aerial / Conduit
RG6	CCS / CU	Standard / Tri- / Quad-	≥22	≥22	Aerial / Conduit
RG11	CCS / CU	Standard / Tri- / Quad-	≥22	≥22	Aerial / Conduit

• Products can be customized, included but not limited to the above



Applications

- Applied typically for CATV HFC network

Standards Complied

- ANSI / SCTE 15
- ANSI / SCTE 74
- GR-1398-CORE and GR-1399-CORE

Features and Benefits

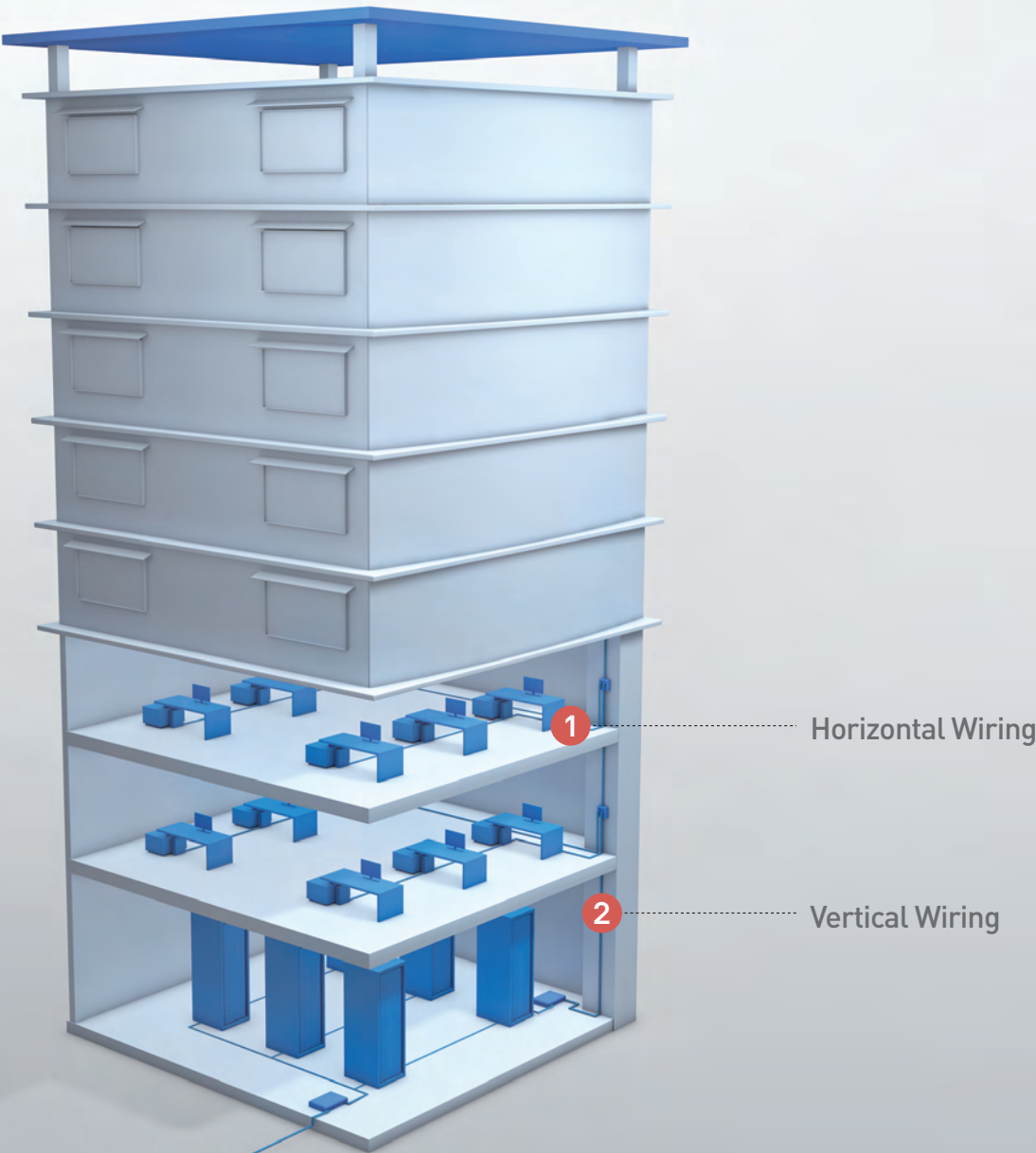
- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request

Technical Specification (Typical Type)

Series	Inner Conductor	Outer Conductor	Max. Return Loss (5~1000Mhz)	Installation
FH500	CCA	Seamless Al Tube	≥26	Aerial / Riser / Conduit
FH540	CCA	Welded Al Tube	≥26	Aerial / Riser / Conduit
FH565	CCA	Seamless Al Tube	≥26	Aerial / Riser / Conduit
FH625	CCA	Seamless Al Tube	≥26	Aerial / Riser / Conduit
FH750	CCA	Seamless Al Tube	≥26	Aerial / Riser / Conduit

• Products can be customized, included but not limited to the above

▼ Typical Field Application of LAN Cable



▼ *FiberHome twisted pair LAN Cable presents the CAT5E up to CAT7 for reliable performance for high speed data transmission in IDC, vertical & horizontal wiring for commercial/residential.*

1 LAN Cable – CAT5E/CAT6



2 LAN Cable – CAT6A/CAT7



LAN CABLE – CAT5E/CAT6



Applications

- Applied typically for Integrated wiring



Standards Complied

- TIA/EIA-568-C.2
- ISO/IEC 11801
- UL1581
- UL1666



Features and Benefits

- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request



Technical Specification (Typical Type)

Series	Conductor	Shield	Insulation	Installation
CAT5E	Cu, 24AWG	UTP / FTP	Solid PE	Horizontal / Vertical / Aerial / Conduit
CAT6	Cu, 23AWG	UTP / FTP	Solid PE	Horizontal / Vertical / Aerial / Conduit

• Products can be customized, included but not limited to the above

LAN CABLE – CAT6A/CAT7



Applications

- Applied typically for Integrated wiring



Standards Complied

- TIA/EIA-568-C.2
- ISO/IEC 11801
- UL1581
- UL1666



Features and Benefits

- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request

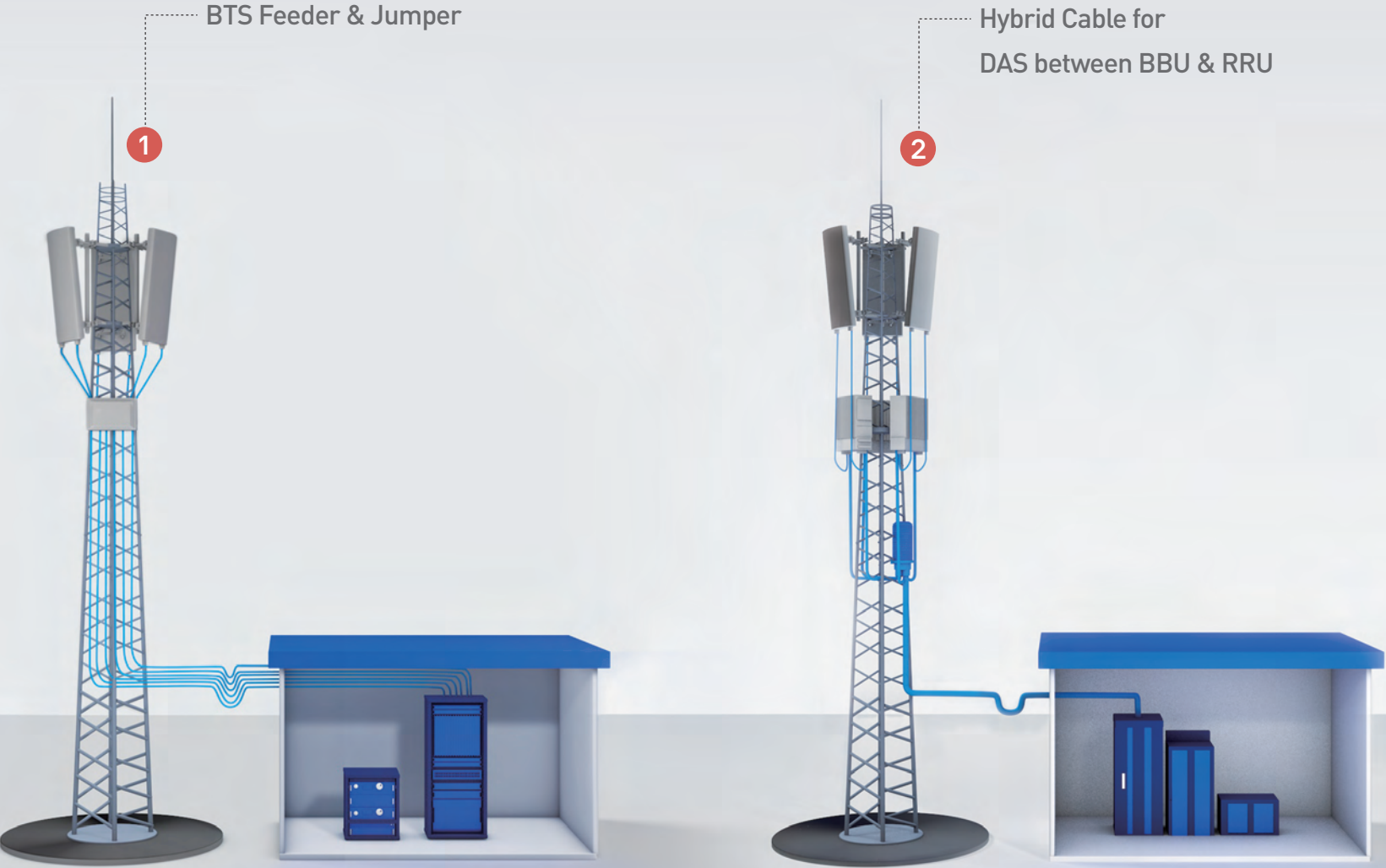


Technical Specification (Typical Type)

Series	Conductor	Shield	Insulation	Installation
CAT6A	Cu, 23AWG	U / FTP	Foam PE	Horizontal / Vertical / Aerial / Conduit
CAT7	Cu, 23AWG	S / FTP	Foam PE	Horizontal / Vertical / Aerial / Conduit

• Products can be customized, included but not limited to the above

▼ Typical Field Application of RF Coaxial Cable
Typical Field Application of Hybrid Cable



▼ *FiberHome RF Coaxial & Hybrid Cable solutions provide the end users with stable supporting throughout the indoor/outdoor wireless coverage in both traditional and cutting-edge ways.*

1 RF Coaxial Cable



2 Hybrid Cable



RF Coaxial Cable



Applications

- Applied typically for BTS / IBS



Standards Complied

- IEC61196



Features and Benefits

- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request



Technical Specification (Typical Type)

Series	Inner Conductor	Insulation	Outer Conductor	Max. VSWR (800~3000Mhz)
1/2"	CCA	Foam PE	Corrugated Copper Tube	1.20
1/2" S	CCA	Foam PE	Corrugated Copper Tube	1.20
7/8"	Cu Tube	Foam PE	Corrugated Copper Tube	1.20
1-1/4"	Cu Tube	Foam PE	Corrugated Copper Tube	1.20

• Products can be customized, included but not limited to the above

Hybrid Cable



Applications

- Applied typically for DAS / MSAN



Standards Complied

- IEC 60793
- IEC 60227
- IEC 60794
- IEC 60332



Features and Benefits

- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request



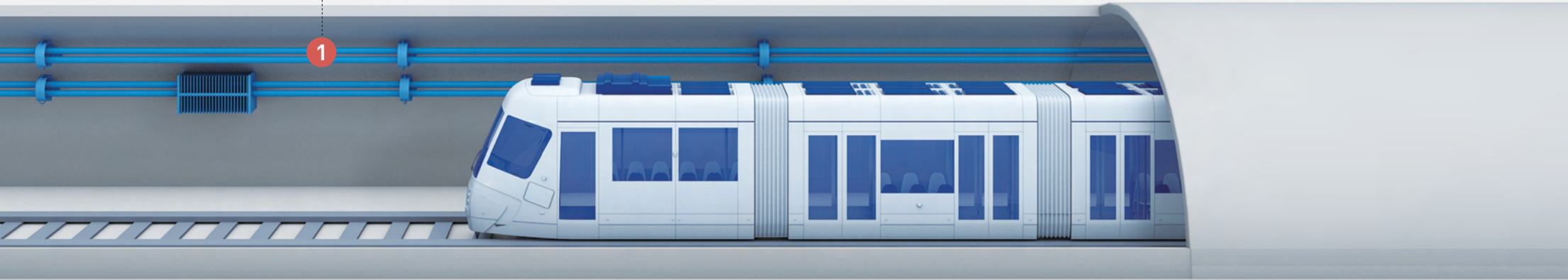
Technical Specification (Typical Type)

Series	Power Core	Fiber Count	Aarmor	Installation
HB1/2"	2/6	4/6/12	Corrugated Al tube / Steel tape	Aerial / Conduit
HB7/8"	2/6	6/8/12/24	Corrugated Al tube / Steel tape	Aerial / Conduit

• Products can be customized, included but not limited to the above

▼ Typical Field Application of RF Radiating / Leaky Cable

RF Radiating Cable for Metro



▼ *FiberHome RF Radiating / Leaky Cable solutions enable the professional customization for wireless coverage in confined areas like metro lines and basement parking.*

1 RF Coaxial Radiating Cable



2 RF Coaxial Leaky Cable



RF Coaxial Radiating Cable



Applications

- Applied typically for confined area wireless coverage



Standards Complied

- IEC 61196



Features and Benefits

- Excellent data transmitting performance
- Durable performance under different weather conditions
- Customization on request



Technical Specification (Typical Type)

Series	Structure	Inner Conductor	Outer Conductor	Max. VSWR (700~2700Mhz)	Installation
1-5/8"	Radiating / Coupling	Copper Tube	Overlapping Cu Foil with Slots	1.3	Aerial / Tunnel
1-1/4"	Radiating / Coupling	Copper Tube	Overlapping Cu Foil with Slots	1.3	Aerial / Tunnel

• Products can be customized, included but not limited to the above

RF Coaxial Leaky Cable



Applications

- Applied typically for confined area wireless coverage



Standards Complied

- IEC 61196



Features and Benefits

- Excellent data transmitting performance
- Durable performance under different working conditions
- Customization on request



Technical Specification (Typical Type)

Series	Structure	Inner Conductor	Outer Conductor	Max. VSWR (700~2700Mhz)	Installation
1/2"	Coupling	CCA	Corrugated Copper Tube with Slots	1.3	Aerial / Tunnel
7/8"	Coupling	Copper Tube	Corrugated Copper Tube with Slots	1.3	Aerial / Tunnel

• Products can be customized, included but not limited to the above

▼ Reference Standards

ANSI/SCTE 15	Specification for Trunk, Feeder, and Distribution Coaxial Cable
ANSI/SCTE 74	Specification for Braided 75 Ω Flexible RF Coaxial Drop Cable
GR-1398-CORE	Generic Requirements for Coaxial Drop Cable
GR-1398-CORE	Generic Requirements for Coaxial Distribution Cable
TIA/EIA-568-C.2	Balanced Twisted-Pair Telecommunications Cabling and Components Standard
ISO/IEC 11801	Generic Cabling for Customer Premises
UL1581	UL Standard for Safety Reference Standard for Electrical Wires, Cables, and Flexible Cords
UL1666	UL Standard for Safety Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
IEC 61196	Coaxial Communication Cables - Part 1: Generic Specification - General, Definitions and Requirements
IEC 60973	Optical Fibres - Part 1-1: Measurement Methods and Test Procedures - General and Guidance
IEC 60227	Polyvinyl Chloride Insulated Cables of Rated Voltages up to and Including 450/750 V
IEC 60794-1	Optical Fibre Cables - Generic Specification - Basic Optical Cable Test Procedures
IEC 60332	Tests on Electric and Optical Fibre Cables Under Fire Conditions

▼ Clients

