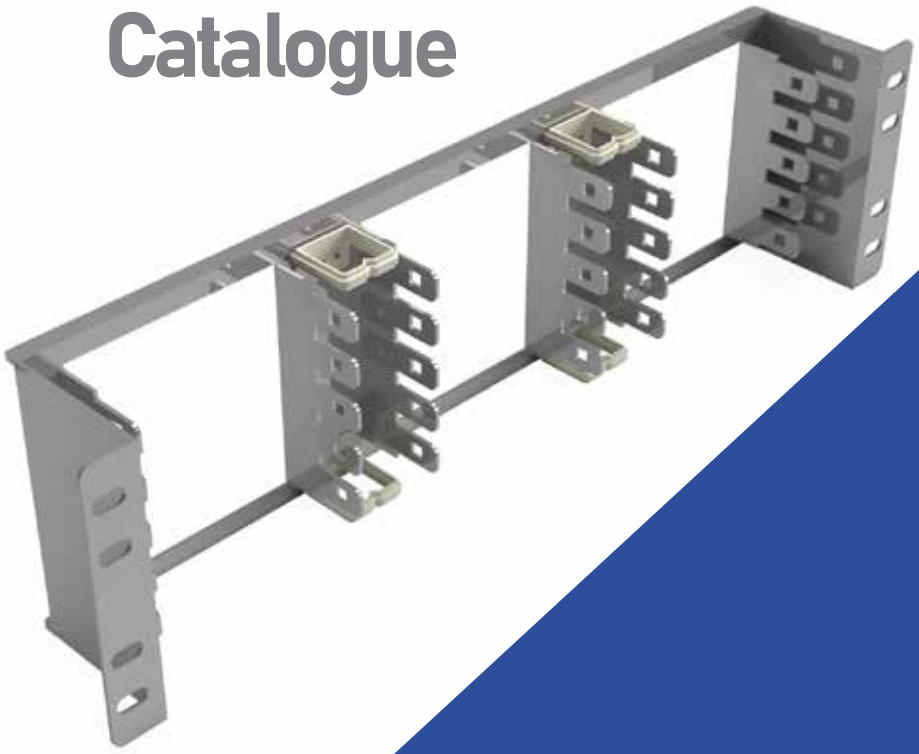
Voice
Catalogue



BRITICOM
British Pride, Global Power

Fiber Optic Solutions
Copper Solutions
Cabinets and Racks
Cable Management
Data Centre Solutions

Voice

We offer many top quality Briticom® cabinets, cables, Cat 3 patch panels and accessories for voice (telephone) communication.

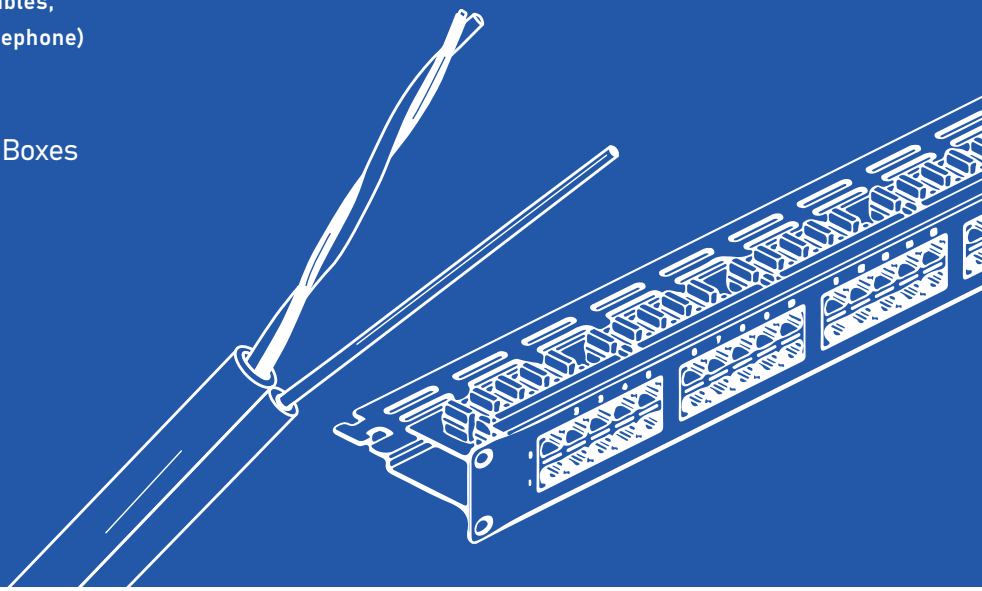
230 – Distribution Cabinets, Frames & Boxes

232 – Voice Cables

233 – Voice Patch Panels

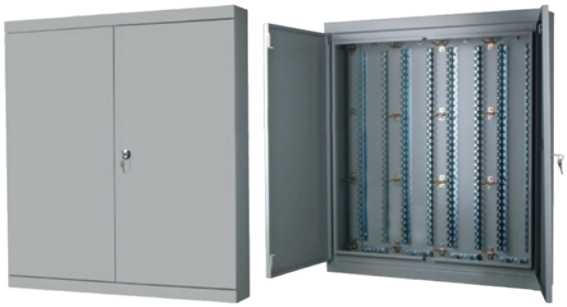
235 – Copper Voice Modules

237 - Copper Voice Joint Enclosures



Distribution Cabinets, Frames & Boxes

Briticom® telephone cabinets and frames are used in a variety of voice/telecommunication applications. All boxes and cabinets can be used for indoor and outdoor applications and can be made an IP specification is required.



Telephone Floor Cabinets

- Essential in the distribution of voice and telecommunication systems and installations
- Suitable for indoor and outdoor use
- Cabinets ranging from 800 pairs to 2000 pairs
- IP rating if required
- Can be with 10 pair disconnection module or 10 pair connection modules
- Wall mounted type, with installation accessories (standard pack for wall mounted)

Material	Cold-rolled steel
Accessories	Key and lock, wall fittings
Application	Indoor or outdoor



Floor Or Wall Mount Distribution Frame 10-2000 Pairs

- Essential in the distribution of voice and telecommunication systems and installations
- Suitable for indoor use
- Varying frames hold 150-2000 pairs
- Modular design
- Wall mounted or floor standing

Construction	Chassis – Chrome Steel; Mountings – Chrome Steel; Jumper Rings – Natural Fire-Retardant ABS
Finish	Chrome
Height (150 pairs) (mm)	2000
Width (150 pairs) (mm)	285
Depth (150 pairs) (mm)	150
Weight (150 pairs) (kg)	18
Capacity	10-2000 Pairs

Distribution Cabinets, Frames & Boxes



50 Pairs



50 Pairs



2 Pairs

Voice Distribution Boxes

- Essential in the distribution of voice and telecommunication systems and installations
- Suitable for indoor and outdoor use
- Boxes ranging from 2 pairs to 200 pairs
- IP rating if required

Material	Cold-rolled steel, ABS or PC
Accessories	Key and lock, wall fittings
Application	Indoor or outdoor (depending on model)

Distribution Cabinets, Frames & Boxes Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Type		Indoor/Outdoor		Colour	
VDC	Voice Distribution Cabinet	**ID**	Indoor	**BLK**	Black
VDB	Voice Distribution Box	**OD**	Outdoor	**GRY**	Grey
VDF	Voice Distribution Frame			**WHT**	White
				SLV	Silver
VDF	**S**	**ID**	**600P**	**BLK**	
	S		**2P**		
Steel	**S**	2 Pairs	**30P**		
Plastic	**P**	30 Pairs	**50P**		
Aluminium	**A**	50 Pairs	**100P**		
		100 Pairs	...		
		...	**1000P**		
		1000 Pairs	**1200P**		
		1200 Pairs	**1500P**		
		1500 Pairs	**2000P**		
Material		Pairs			

Example Part Number	
Description	Part Number
Voice Distribution Frame Open Rack Wall/Floor 600 Pairs Indoor - Black	**VDFSID600PBLK**
Voice Distribution Box Outdoor Plastic for 30 Pairs - Grey IP65	**VDBPOD30PGRY**
Voice Distribution Cabinet Steel Indoor for 1500 Pairs - Grey IP40-Rated	VDCSID1500PGRY

Voice Cables

Briticom® voice cables are designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards, including ANSI/TIA-568.0-D Standard of 2017 and T568.2-D Standard.



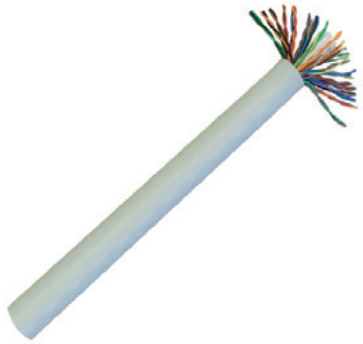
Multi-Pair Indoor/Outdoor Voice Cable – 100 Pairs

American Wire Gauge	24
After Tensile Strength (Mpa)	≥ 85% of unaged
Minimum Point Thickness	0.18 mm
Cable Laying Length	140 ± mm
Jacket	PVC or LSZH
Outer Diameter (± 0.2 mm)	36.5
100.0-250 MHz Delay Skew	100 ± 20 ns/100 m
1.0-250.0 MHz Impedance	≤ 45 Ohms
Pair-to-Ground Capacitance Unbalance (pF/100 m)	≤ 330
Max Conductor DC Resistance 20°C (Ohms/km)	93.8



Multi-Pair Indoor/Outdoor Voice Cable – 25 Pairs

American Wire Gauge	24
After Tensile Strength (Mpa)	≥ 85% of unaged
Minimum Point Thickness	0.18 mm
Cable Laying Length	140 ± mm
Jacket	PVC or LSZH
Outer Diameter (± 0.2 mm)	19.0
100.0-250 MHz Delay Skew	100 ± 20 ns/100 m
1.0-250.0 MHz Impedance	≤ 45 Ohms
Pair-to-Ground Capacitance Unbalance (pF/100 m)	≤ 330
Max Conductor DC Resistance 20°C (Ohms/km)	93.8



Multi-Pair Indoor/Outdoor Voice Cable – 25 Pairs

American Wire Gauge	24
After Tensile Strength (Mpa)	≥ 85% of unaged
Minimum Point Thickness	0.18 mm
Cable Laying Length	140 ± mm
Jacket	PVC or LSZH
Outer Diameter (± 0.2 mm)	12.5
100.0-250 MHz Delay Skew	100 ± 20 ns/100 m
1.0-250.0 MHz Impedance	≤ 45 Ohms
Pair-to-Ground Capacitance Unbalance (pF/100 m)	≤ 330
Max Conductor DC Resistance 20°C (Ohms/km)	93.8



Outdoor/Indoor Telephone Cable with Self Supporting Wire (ADSL)

- 100% IACS tinned electrolytic copper conductors
- Galvanised steel messenger wire
- UV resistant black polyethylene outer jacket
- Protection against electrostatic and electromagnetic interference

Example Part Number	
Description	Part Number
2 × 20 AWG Telephone Cable PVC Black with Self-Supporting 1.2 Wire	UTPTC20AWGSSM1.2BLK



Outdoor Telephone Cable – Model 01

- Electrolytic annealed solid copper conductor
- Colour coded foam skin has PE cladding with solid PE insulation
- Secondary jelly filling between wrapping and screen to provide waterproofness
- UV resistant black polyethylene outer jacket

Example Part Number	
Description	Part Number
A-02YSF/L-2Y 300 Pair PE Jacket Black	A-02YSF/L-2Y300PE



Outdoor Telephone Cable – Model 02

- Electrolytic annealed solid copper conductor
- Colour coded foam skin has PE cladding with solid PE insulation
- Secondary jelly filling between wrapping and screen to provide waterproofness
- Galvanized steel messenger wire
- UV resistant black polyethylene outer jacket

Example Part Number	
Description	Part Number
A-02YSF/L-T2Y 100 Pair PE Jacket Black with Aluminium Messenger	A-02YSF/L-T2Y100PE

Voice Cables

Multi-Pair Indoor/Outdoor Voice Cable Ordering Information

Use combinations of bold letters and numbers to create part numbers for ordering.

Construction		Pairs Count		Colour		Outdoor*	
UUTP	U/UTP	**5**	5	**BLK**	Black	**OD**	Outdoor
FUTP	F/UTP	**20**	20	**WHT**	White		
SFUTP	SF/UTP	**50**	50				
SFTP	S/FTP	**100**	100				
FFTP	F/FTP	**200**	200				
UFTP	U/FTP	**1000**	1000				
UUTP	**MP**	**25**	**PV**	**WHT**	**200**		
Multi-Pair	**MP**	PVC	**PV**	200 m	**200**		
		LSZH	**LS**	500 m	**500**		
		Polyethylene	**PE**	1000 m	**1000**		
Product		Jacket Type		Length			

*Leave column blank if **indoor**.

Example Part Number	
Description	Part Number
Multi-Pair Indoor/Outdoor Voice Cable – 25 Pairs UTP PVC 24 AWG 200m Reel	UUTPMP25PVWHT200

Voice Patch Panels

Briticom® UTP voice (Cat 3) patch panels are 19- inch rack-mountable IDC/PCB moulded jack patch panels.



Cat 3 – Patch Panels – 25 Port

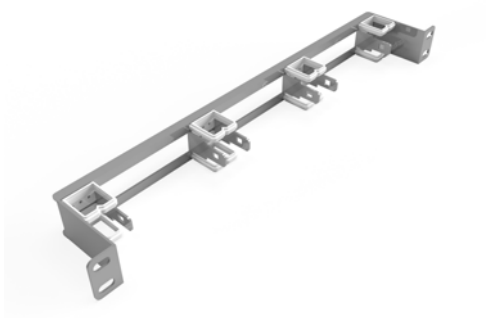
Insertion Life	750 cycles minimum
Plug/Jack Contact Force	100 g minimum using FCC-approved plug
Insulation Resistance	100 MOhms mΩ minimum
Contact Resistance	7 MOhms mΩ maximum
Dielectric Intensity	AC 1000 Vrms, 50 Hz or 60 Hz in 60s
Plating	Silver/Gold
Plating Thickness	3 to 50 µm



Cat 3 – Patch Panels – 50 Port

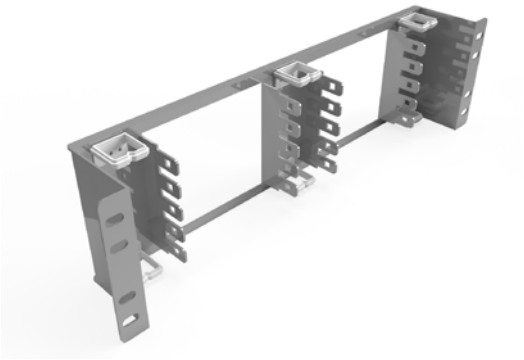
Insertion Life	750 cycles minimum
Plug/Jack Contact Force	100g minimum using FCC-approved plug
Insulation Resistance	100 MOhms mΩ minimum
Contact Resistance	7 MOhms mΩ maximum
Dielectric Intensity	AC 1000 Vrms, 50 Hz or 60 Hz in 60s
Plating	Silver/Gold
Plating Thickness	3 to 50 µm

Voice Patch Panels



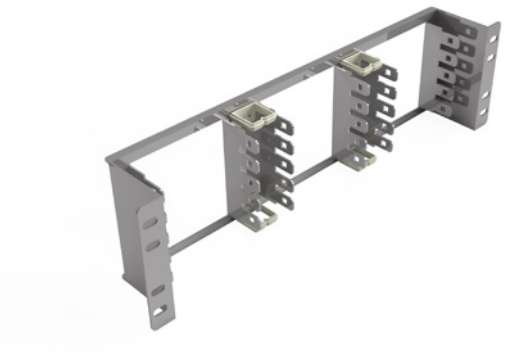
1U Rack Mount Distribution Frame 30 Pair

Construction	Chassis – Chrome steel; Mountings – Chrome Steel; Jumper Rings – Natural Fire-Retardant ABS
Finish	Chrome
Dimensions H W D (150 pairs)	44.5 x 484 x 73 mm
Weight (150 pairs) (kg)	0.45*
Capacity	24 or 30 Pairs



3U Rack Mount Distribution Frame 100 Pair

Construction	Chassis – Chrome steel; Mountings – Chrome Steel; Jumper Rings – Natural Fire-Retardant ABS
Finish	Chrome
Dimensions H W D (150 pairs)	134 x 484 x 73 mm
Weight (150 pairs) (kg)	0.6
Capacity	80 or 100 Pairs



3U Rack Mount Distribution Frame 150 Pair

Construction	Chassis – Chrome steel; Mountings – Chrome Steel; Jumper Rings – Natural Fire-Retardant ABS
Finish	Chrome
Dimensions H W D (150 pairs)	134 x 484 x 73 mm
Weight (150 pairs) (kg)	0.6
Capacity	150 Pairs

Voice Patch Panel Ordering Information

Use combinations of bold letters and numbers to create part numbers for ordering.

Type		Indoor/Outdoor		Colour	
UTP	UTP	**VPI**	Voice IDC Panel	**BLK**	Black
STP	STP	**RDF**	Rack Distribution Frame	**GRY**	Grey
				WHT	White
				SLV	Silver
▲		▲		▲	
UTP	**3**	**VPI**	**25P**	**BLK**	
▼			▼		
Category 3	**3**	25 Pairs 50 Pairs 150 Pairs	**25P** **50P** **150P**		
Category		Ports/Pairs			

Example Part Number	
Description	Part Number
Unshielded Cat 3 25 Port Voice IDC Panel - Black	UTPC3VPI25PBLK

Copper Voice Modules

Briticom® connect/disconnect modules provide a complete solution for voice, mid- and low-speed data transmission. These modules can be mounted on main distribution frames/cabinets or distribution boxes for use in connection of exchange lines and jumper wires.



Basic Protection LSA Module (8 Pairs)

Plastic Material	ABS & PBT (UL94V-0)
Contact Material	Phosphor Bronze
Surface Plating	Silver (0.5um - 5um)
Earth Bar	Phosphor Bronze, Surface Plating Nickel
Storage Temperature	40°C - 70°C
Operating Temperaure	10°C - 60°C
Relative Humidity	95%, non-conditional
Insulation Resistance	1000Mohms minimum
Contact Resistance	5Mohms maximum
Dielectricity Intensity	1200v DC 60s cant spark over & havent fly arc



Basic Protection LSA Module (10 Pairs)

Plastic Material	ABS & PBT (UL94V-0)
Contact Material	Phosphor Bronze
Surface Plating	Silver (0.5um - 5um)
Earth Bar	Phosphor Bronze, Surface Plating Nickel
Storage Temperature	40°C - 70°C
Operating Temperaure	10°C - 60°C
Relative Humidity	95%, non-conditional
Insulation Resistance	1000Mohms minimum
Contact Resistance	5Mohms maximum
Dielectricity Intensity	1200v DC 60s cant spark over & havent fly arc



Connect/Disconnect Modules 10 Pairs

Insertion Life	250 cycles minimum
IDC Life	200 times (22-26 AWG solid wire) minimum
Material	PBT/ABS (UL94V-0)
Insulation Resistance	≥1000MΩ
Contact Resistance	<7MΩ
Dielectric Intensity	DC 1200V, 60s no spark over and fly arc
Conductor Diameter	AWG 22-26 (0.4-0.63mm)
Contact Material	Brass - silver-plated



Disconnection Module 8 Pair

Connection Frequency	> 200 times
Test Access Plug in Cycles	> 250
Contact Resistance	< 2.5 m ohms
Insulation Resistance	50000 Mega ohms
Dielectric Strength	2 KV rms
Contact	Special Brass, Silver Plated
Current Carrying Capacity	2 A
Plastics	PBT, resistant against aggressive chemicals (PVC softener)

Copper Voice Modules



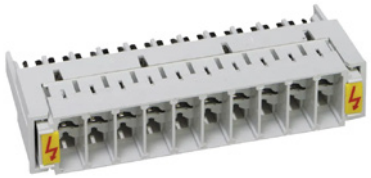
Gas Arrestor For Surge Protector Tubes Connection/ Disconnection Modules

DC Sparkover Voltage	150 - 250V
Minimum Installation Resistance	1000μΩ @ 100VDC
Maximum Impulse Sparkover Voltage	450V @ 1KV/ μS
Maximum Capacitance	1.5pF @ 1μHz bias Ø VDC line to ground
Minimum Handover Voltage	100V (using ITU K12)
Packaging	100/tray, 500/carton



Protection Magazine Module 8 Pairs

Protection	230V, 5A / 5KA
Lightning Avoiders	Gas Discharge / Solid Discharge
Temperatre	-10°C ~ +45°C
Relative Temperature	≤85% (+30°C)
Atmospheric Pressure	70kpa ~ 106kpa
Insualtion Resistance	≥1000MΩ / Dc punching voltage: 190 ~ 260
Impact Channel-Voltage	≤800 (at 1kv/as rising rate)
Pulse Resistance Current	100A (10/1000us 300time)
Pulse Resistance Current	10KA (8/20us 10times)
Contact Material	Silver-Plated Brass



Protection Magazine Module 10 Pairs

Protection	230V, 5A / 5KA
Lightning Avoiders	Gas Discharge / Solid Discharge
Temperatre	-10°C ~ +45°C
Relative Temperature	≤85% (+30°C)
Atmospheric Pressure	70kpa ~ 106kpa
Insualtion Resistance	≥1000MΩ / Dc punching voltage: 190 ~ 260
Impact Channel-Voltage	≤800 (at 1kv/as rising rate)
Pulse Resistance Current	100A (10/1000us 300time)
Pulse Resistance Current	10KA (8/20us 10times)
Contact Material	Silver-Plated Brass

Terminal Connectors



UY Type 2 Terminal Connector Wire Splice with Gel - Orange Colour

Cable cross-section	0.4-0.7mm
Colour	Orange
Cross-section	0.4-0.9mm
Dimensions	(L)15 mm x (Dia)10 mm x (H)8.5 mm
Number of pins	2
Specification	Connector, +filling, orange cover
Material:	Plastic
Type	UY
Weight:	0.01kg

Copper Voice Joint Enclosures

Briticom® connect/disconnect modules provide a complete solution for voice, mid- and low-speed data transmission. These modules can be mounted on main distribution frames/cabinets or distribution boxes for use in connection of exchange lines and jumper wires.



Aerial Cable Joint Closure for Copper Cable - Model 01

Model Number	01
Type	Copper Cable Joint Closure
Material	HDPE + Stainless Steel
Application	Aerial
Capacity	100~500 Pairs
Joint Type	Connection and branching of cable joint
Process	Injection molding
Atmospheric pressure	80-106Mpa



Resin Cast Joint Closures - Model 01

Model Number	01
Type	In-line Resin Casting cable Joints
Material	PVC
Application	Underground Waterproof
Capacity	10sq to 16sq Cable Joint
Joint Type	Waterproof Cable Connector
Colour	Transparent
Rating	IP68 Waterproof



Underground Joint Copper Closure - Model 01

Model Number	01
Type	Insulation Sleeving
Material	PE
Application	High Voltage
Rated Voltage	600V
Joint Type	Electric Devices
Colour	Black
Reccomended applications	Underground

Copper Voice Modules Ordering Information

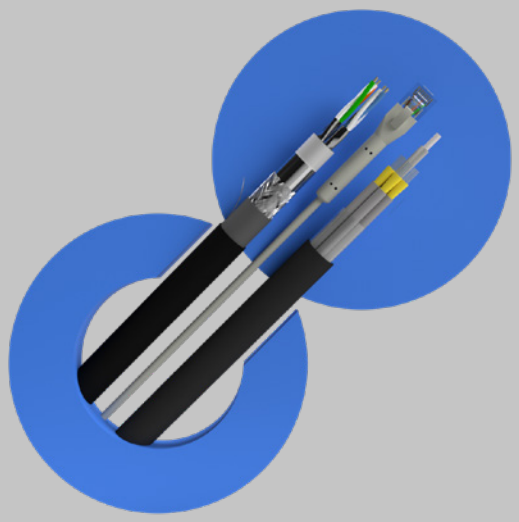
Product		Gel	
VCM VDM	Voice Connecting Module Voice Disconnecting Module	WG NG	With Gel Without Gel
▲		▲	
VCM	10P	WG	GRY
	▼		▼
10 Pairs 30 Pairs ... 400 Pairs	10P 30P ... 400P	Black Grey White	BLK GRY WHT
Pairs		Colour	

Example Part Number	
Description	Part Number
Voice Connecting Module 10 Pairs - Grey	VCM10PWGGRY

WHY CHOOSE BRITICOM?

Briticom® aims to impress with its high degree of quality and modularity, innovative functionality, and exceptional convenience in installation and maintenance. We provide added value for all Partners and users, from installers through to network operators. Our solutions ensure maximum availability and therefore cost-effective network operation.

With outstanding product quality, precision, and modern system design, Briticom® is helping ensure that networks remain future-proof and retain their value.



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