

Copper Structured Cabling

Cat 6 – Outdoor SF/UTP PE Solid LAN Cable

Product Description

Briticom® Category 6 Outdoor screened SF/UTP PE Solid LAN Cable is 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.

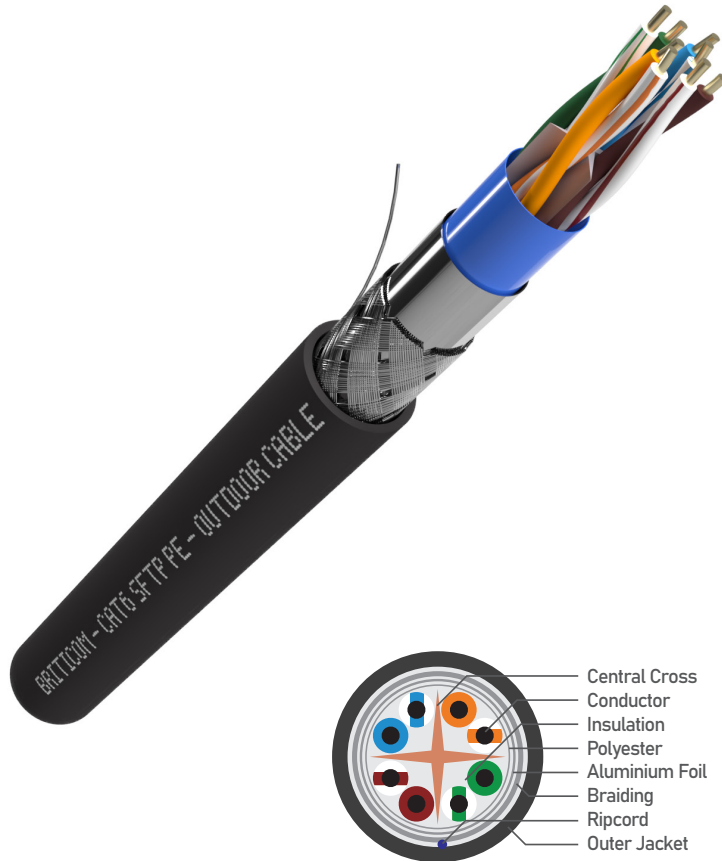
This delivers Class FA link and channel performance supporting all applications detailed and proposed within the standards. This superior performance cable is ETL component verified

Features & Benefits

- ANSI/TIA-568.0-D, ANSI/TIA/EIA-568-B.2.10, IEC 60228 and IEC 60332, T568.2-D Standards
- 25-Year warranty
- 250 MHz with over 2.5Gbps
- Shielded/foiled Twisted Pair
- LDPE, PVC or PE jacket
- Available in different lengths and packaging types

Applications

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps TOKEN RING (IEEE 802.5)
- 100BASE-VG-AnyLAN
- 100Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)



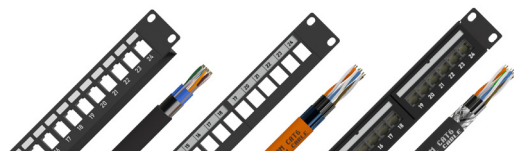
Technical Specifications

Conductor	Material	solid bare copper
	Diameter	0.57±0.01mm /23AWG
Insulation	Material	HDPE
	Diameter	1.12±0.05mm
Polyester tape		Overlap rate ≥25%
Al foil		Overlap rate ≥25%
Braiding		16*4*0.10mm AL-Mg alloy
Rip cord		Nylon
Cross skeleton		PE
Jacket	Material	LDPE
	Diameter	7.5±0.3mm
	Thickness	0.50mm (Average)

To Order

Ordering information on page 2.





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Transmission performance (20°C,100m)						
Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	EL FEXT (dB/100m)	PS EL FEXT (dB/100m)
1	20	2.0	74.3	72.3	67.8	64.8
4	23	3.8	65.3	63.3	55.8	52.8
8	24.5	5.3	60.8	58.8	49.7	46.7
10	25	6.0	59.3	57.3	47.8	44.8
16	25	7.6	56.2	54.2	43.7	40.7
20	25	8.5	54.8	52.8	41.8	38.8
25	24.3	9.5	53.5	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.8	34.9
62.50	21.5	15.4	47.4	45.4	31.9	28.9
100	20.1	19.8	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	37.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8

Install info	
Working temperature	Bending radius
-20°C to +60°C	≥10 × out diameter

Standard
ISO/IEC 11801 TIA/EIA 568-C.2 EN50173 ROHS 2011/65/EU REACH EC 1907/2006

Physical Characteristics			
Conductor Elongation ratio	≥15%	Jacket Tensile strength	≥10MPa
Insulation Tensile strength	≥16MPa	Jacket Elongation ratio	≥300%
Insulation Elongation ratio	≥300%		

Electrical Characteristics (20°C)			
Linear resistance	≤9.5Ω/100m	Characteristic impedance	100±15Ω
Insulation resistance	≥5000MQ/km	Dielectric strength	DC.1kV.1min no break

Ordering Information

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

Construction		Sheath Material		Length (metres)		Outdoor*	
UUTP	U/UTP	HD	HDPE	5	5m	OD	Outdoor
FUTP	F/UTP	PV	PVC	15	15m		
SFUTP	SF/UTP	LS	LSZH	200	200m		
SFTP	S/FTP	LD	LDPE	305	305m		
FFTP	F/FTP	PE	Polyethylene	500	500m		
UFTP	U/FTP						
⬆		⬆		⬆		⬆	
SFUTP	C6	PE	BLK	500	-E	OD	
	⬇		⬇		⬇		
Cat 5E	C5E	Grey	GRY	Extra Range	-E		
Cat 6	C6	Purple	PRL	Platinum	-P		
Cat 6A	C6A	Black	BLK				
Cat 7	C7	Red	RED				
Cat 7A	C7A	Orange	ORN				
Cat 8	C8	Blue	BLU				
Category		Colour		Standard			

Example Part Number	
Description	Part Number
Cat 6 SF/UTP PE 500m Black – Extra Outdoor	SFUTPC6PEBLK500-EOD

To Order

To place an order, use the contact details below.