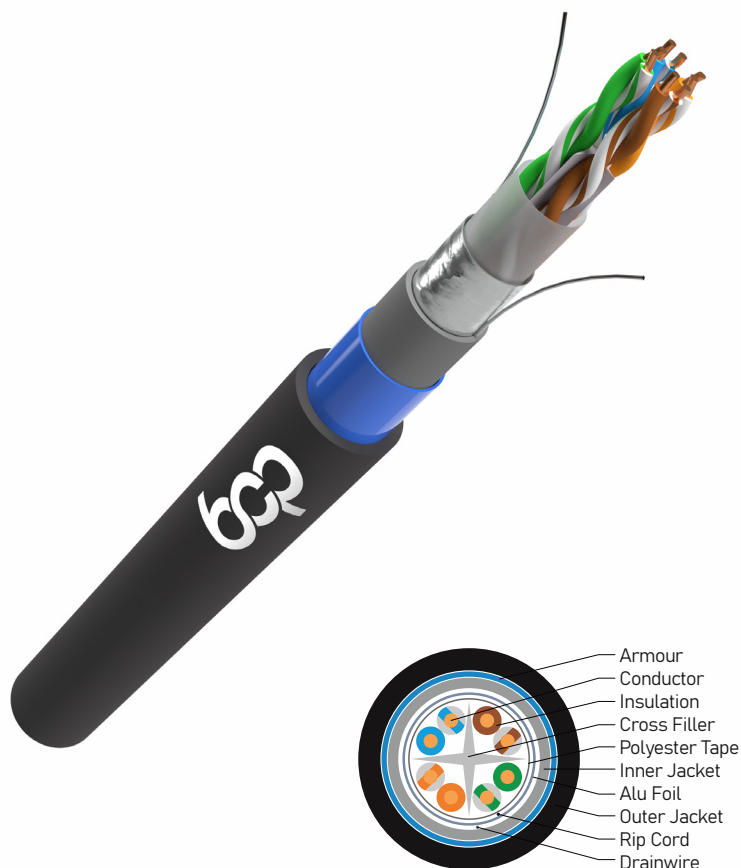




Product Description

BCP Category 6 Outdoor screened SFTP 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
- 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	1.135±0.05mm
Polyester tape		Overlap rate ≥25%
Al foil		Overlap rate ≥25%
Rip cord		Nylon
Cross skeleton		PE
Inner Jacket	Material	LSZH
	Diameter	7.5±0.5mm
	Thickness	0.6mm (Average)
Outer jacket	Material	MDPE
	Diameter	12.5±0.5mm
	Thickness	1.5mm(Average)



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	19.1	3.0	65.0	62	64.2	61.2
4	21.0	3.5	64.1	61.8	52.1	49.1
8	21.0	5.0	59.4	57	46.1	43.1
10	21.0	5.5	57.8	55.5	44.2	41.2
20	19.5	7.9	53.1	50.7	38.2	35.2
25	19.0	8.9	51.5	49.1	36.2	35.2
31.25	18.5	10.0	50.0	47.5	34.3	33.2
62.50	16.0	14.4	45.1	42.7	28.3	31.3
100	14.0	18.6	41.8	39.3	24.2	25.3
200	11.0	27.4	36.9	34.3	18.2	21.2
250	10.0	31.1	35.3	32.7	16.2	15.2

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

Standard			
ISO/IEC 11801	YD/T1019	TIA568.2-D	EN50173
IEC 61156-5	RoHS 2011/65/EU	REACH EC 1907/2006	

Physical Characteristics			
Conductor Elongation ratio	≥15%	LSZH Jacket Tensile strength	≥10MPa
Insulation Tensile strength	≥16MPa	LSZH Jacket Elongation ratio	≥125%
Insulation Elongation ratio	≥300%	MDPE Jacket Tensile strength	≥12MPa
MDPE Jacket Elongation ratio	≥300%		

Electrical Characteristics (20°C)			
Linear resistance	≤9.5Ω/100m	Characteristic impedance	100±15Ω
Insulation resistance	≥5000MΩ/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						
▲		▲		▲		▲	
FUTP	C6	LS	BLK	500	-E	OD	
	▼		▼		▼		
Cat 6	C6	Grey Purple Black	GRY PRL BLK	Extra Range Platinum	-E -P		
Category		Colour		Standard			

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