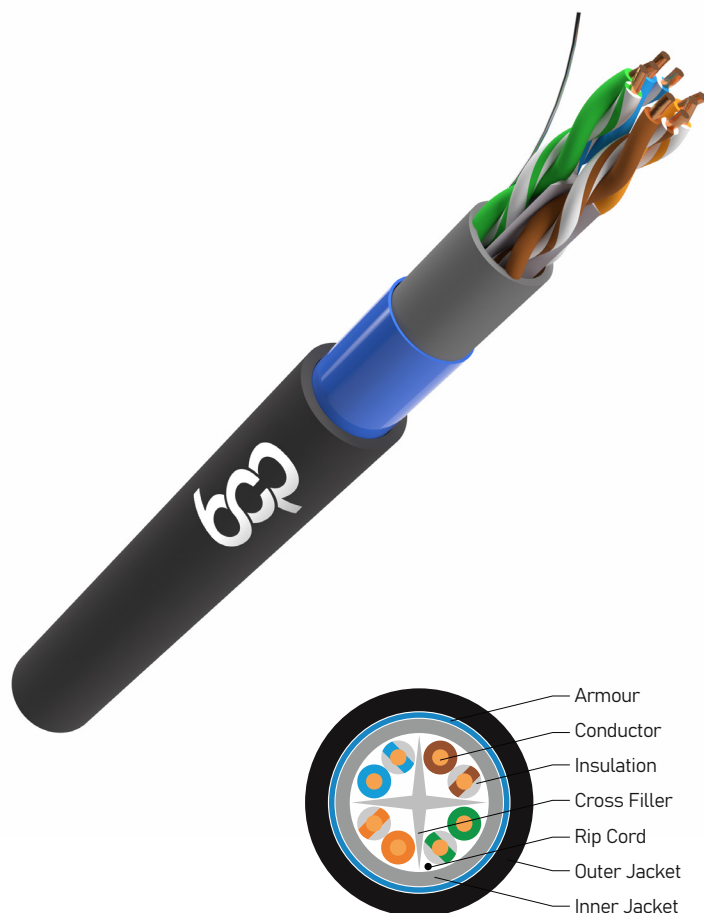




Product Description

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
Jacket	Material	LSZH
	Diameter	7.5±0.5mm
	Thickness	0.6mm (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	20	2.0	75.3	72.3	67.8	64.8
4	23	3.8	66.3	63.3	56	53
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25	6.0	60.3	57.3	48	45
16	25	7.6	57.2	54.2	43.9	40.9
20	25	8.5	55.8	52.8	42	39
25	24.3	9.5	54.3	51.3	40	37
31.25	23.6	10.7	52.9	49.9	38.1	35.1
62.50	21.5	15.4	48.4	45.4	32.1	29.1
100	20.1	19.8	45.3	42.3	28	25
200	18.0	29.0	40.8	37.8	22	19
250	17.3	32.8	39.3	36.3	20	17

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

Standard
ISO/IEC 11801 TIA568.2-D 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	≥125%
Insulation 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						
▲		▲		▲		▲	
UTP	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