



Product Description

BCP CAT 8.2 S/FTP installation cable features the following cable structure 4x2x AWG22/1 and achieves a transmission frequency of up to 2000 MHz.

The halogen-free cable sheath complies with the standards IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class Dca. The cable is suitable for building cabling in secondary and tertiary areas.

Complies with the following standards ISO/IEC 11801; DIN EN 50173; DIN EN 50288-12-1; ANSI/TIA-568.0-D Standard of 2017; T568.2-D Standard.

Features & Benefits

- 25-Year warranty
- 2000 MHz with over 40Gbit Ethernet
- 4PPoE Power over Ethernet support
- BauPVO category Dca
- Available in different reel lengths and packaging types

Applications

- Call centres
- Data networks
- LAN Applications
- CCTV

Technical Specifications

Conductor	Bare annealed copper, solid AWG 22/1
Insulation	SFS-PE (foamed polyethylene sheath)
Total Insulated Conductors	8, twisted in 4 pairs
Colour Code	Blue-white, orange-white, green-white, brown-white
Shielding of the Individual Pairs	Aluminium-covered polyester film, 100% coverage
Overall Shielding	Tinned copper wire braid
Outer Sheath	Dca acc. to EN 50575; LSZH
Outer Sheath Diameter (Nominal)	0.55 mm nominal
Tensile Loading	150N max
Dynamic Bending Radius	8×AD mm min
Static Bending Radius	4× AD mm min
Transport & Storage Temperature Range	-20°C to +75°C
Operating Temperature Range	-20°C bis +60°C
Installation Temperature Range	0°C to +50°C
Overall Diameter Simplex (Nominal)	7.9 mm nominal (Dca)

Continued on page 2



Technical Specifications (continued)

Weight (kg/km)	65 kg/km
Impedance	100±15 Ohm @ 1 - 2000MHz
Capacitance	99 pF/30m nominal @ 1 KHz
Insulation Resistance	5 GOhm x km min
DC Resistance	2.40hm/30m max. (4% max resistance unbalance)
DC Loop Resistance	5.6 Ohm/24m max. (3% max resistance unbalance)
Voltage Resistance	72 Vdc max
Coupling Attenuation	CA-Type 1
Signal Propagation Delay	171 nS/30 m max
Propagation Delay	13,5 nS/130 m max
Separating Class	„d“ acc. to EN 50174-2
NVP	79%
Nominal Cross Section Conductor	0.3019
Core Insulation	Foam-Skin-PE
Core Identification	Colour
Flame Retardant	In accordance with EN 60332-3-24

Stranding Element	Pairs
Diameter Conductor	0.62
Conductor Material	Cu, bare
Screen Over Stranding Element	Foil
Screen Over Stranding	Braiding
Material Outer Sheath	Polyolefin
Conductor Category	Class 1 = solid
Permitted Cable Outer Temperature, in Movement	-20 ... 75
Permitted Cable Outer Temperature, Fixed	-20 ... 60
AWG-Size	22
Number of Cores	8
Outer Diameter Approx	7.8
Low Smoke (acc. EN 61034-2)	Yes
NVP Value	79
Halogen Free (Acc. EN 60754-1/2)	Yes

Ordering Information

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

Construction		Sheath Material		Length (metres)		Outdoor*	
B/UUTP	U/UTP	HD	HDPE	5	5m	OD	Outdoor
B/FUTP	F/UTP	PV	PVC	15	15m		
B/SFUTP	SF/UTP	LS	LSZH	200	200m		
B/SFTP	S/FTP	LD	LDPE	305	305m		
B/FFTP	F/FTP	DJ	Double Jacket PE/PVC	500	500m		
B/UFTP	U/FTP	PE	Polyethylene				
⬆		⬆		⬆		⬆	
B/SFTP	C8	LS	RED	500	-P		
⬇		⬇		⬇			
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 8	C8	Orange	ORN				
		Blue	BLU				
Category		Colour		Standard			

*Leave column blank if indoor.

Example Part Number	
Description	Part Number
BCP Cat 8 S/FTP LSZH 500m 22/1 AWG Red Jacket – Platinum	B/SFTPC8LSRED500-P