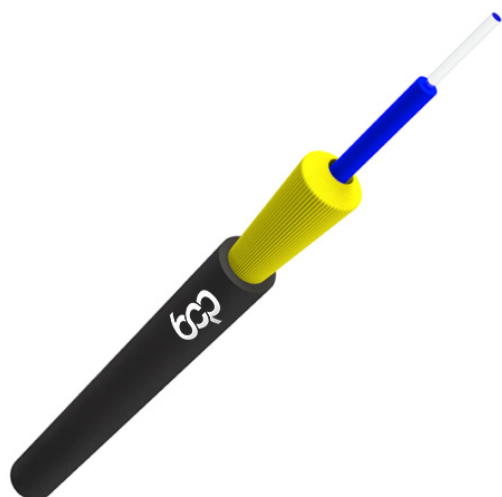


Product Description

BCP® offers a wide range of indoor and outdoor fibre optic distribution, patching and consumer cables including Plenum, Riser and LSZH in all diameters. These are used to provide links to protocols such as FTTH, FDDI, 10 Gigabit Ethernet, ATM.

Features & Benefits

- Available in many colours
- Strength member
- Tight-buffered fibre
- Outer jacket

Applications

- Telecommunication networks
- CATV - Cable television
- Fibre-To-The-Home (FTTH)
- Wall outlets to desk



Technical Specifications

Mode Field Diameter 1310nm 1550nm	9.0±0.4 µm 10.1±0.5 µm
Cladding Diameter	124.8±0.7 µm
Cladding Non-Circularity	≤0.7 %
Core-Cladding Concentricity Error	≤0.5 µm
Coating Diameter	245±5 µm
Coating Non-Circularity	≤6.0 %
Cladding-Coating Concentricity Error	≤12.0 µm
Cable Cutoff Wavelength	$\lambda_{cc} \leq 1260 \text{ nm}$
Attenuation(max.) 1310nm 1550nm	≤0.4 dB/km ≤0.3 dB/km
Macro-Bending Loss 1 turn x 7.5mm radius @1550nm 1 turn x 7.5mm radius @1625nm	≤0.75 dB ≤1.5 dB

Continued on page 2...



Mechanical & Environmental Characteristics

Tension (Long Term)	150N
Tension (Short Term)	450N
Crush (Long Term)	100 N/10cm
Crush (Short Term)	500 N/10cm
Min. Bend Radius (Dynamic)	20D mm
Min. Bend Radius (Static)	10D mm
Installation Temperature	-30 ~ 80 °C
Operating Temperature	-40 ~ 80 °C
Storage Temperature	-40 ~ 80 °C

Cable Parameters

Fibre Count	1
Tight-Buffered Fibre Dimension	850±50 µm
Tight-Buffered Fibre Material	LSZH
Tight-Buffered Fibre Colour	Blue
Strength Member	Kevlar
Strength Member Dimension	3.0mm±0.2 mm Thickness is about 0.7mm
Outer Jacket Material	LSZH
Outer Jacket Colour	Black

Ordering Information

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

Connector		Strength Members		No of Fibres		Additional*	
B/FDC B/RDC	Flat Drop Cable Round Drop Cable	SW FRP K AY	Steel Wire FRP Member Kevlar Aramid Yarn	1 2 3 4 5 6 7 8 9 10 11 12	1 FO 2 FO 3 FO 4 FO 5 FO 6 FO 7 FO 8 FO 9 FO 10 FO 11 FO 12 FO	FI SM FRPM FRPM8	Flat Inside Round Steel Wire Messenger FRP Messenger Figure 8 FRP Messenger
▲		▲		▲		▲	
B/RDC	B3	K	BLK	1	LS		
G657A1 G657B3 OM1 OM2 OM3 OM4 OS1 OS2	A1 B3 M1 M2 M3 M4 S1 S2	Yellow Black White Aqua	YEL BLK WHT AQU	HDPE PVC LSZH Polyethylene LDPE Double Jacket PE/PVC Double Jacket HDPE Single Jacket HDPE Single Jacket PE	HD PV LS PE LD DJ DJHD SJHD SJPE		
Fibre Type		Colour		Material			

*Leave blank if not required

Example Part Number	
Description	Part Number
BCP Round Drop FTTH Cable B3 Single-mode Fibre 3mm LSZH 1 Fibre - Black	B/RDCB3KBLK1LS