



Product Description

BCP® 288 Fibres G657A2/G652D Fibre Microduct Fibre Optic Cable has excellent mechanical and environmental properties. It also has good bending performance and is easy to install.

Features & Benefits

- Micro module with 12 optical fibres and jelly inside
- Aramid yarns
- Cable strand: Dry, with water-blocking yarns and water-blocking tape
- Outer sheath: HDPE with 2 FRP embedded in the sheath symmetrically
- Temperature range:
 - Storage and transport: -30 to +60°C
 - Installation: -5 to +40°C
 - Operation: -30 to +60°C
- Standards:
 - IEC 60793-1, IEC 60793-2,
 - IEC 60794-3-10, EN 50290-2-24

Applications

- FTTH GPON - Telecom
- Outdoor Installations

Technical Specifications

Fiber count (G.657A2/G.652D)	288	
Outer diameter (mm)	14	
OD tolerance	±4%	
Weight/km (Nominal) kg	130	
Tensile load(N)	2500	
Min bending radius	Without tension 10D	
Impact(J)	5	
Crush (daN/cm)	20	
Fibre attenuation	@1310 nm	@1550 nm
.. cabled	≤0.36 dB/km	≤0.22 dB/km
Zero Dispersion Wavelength	1300~1324 nm	
Zero Dispersion Slope	≤0.092 ps/nm ² /km	
Cable Cutoff Wavelength (λ _{cc})	*≤1260 nm	
PMD (bare fiber)	≤0.1 ps/√km	



PMD (fiber in the cable)	≤0.2 ps/√km
Macro bending Loss:	
(10 turns; Φ30 mm) @1550 nm	≤ 0.03 dB
(1 turns; Φ20 mm) @1550 nm	≤ 0.10 dB
(1 turns; Φ15 mm) @1550 nm	≤ 0.50 dB
Mode Field Diameter	8.8±0.4 μm@1310 nm 9.8±0.5 μm@1550 nm
Cladding Diameter	125±0.7 μm
Cladding non circularity	≤ 0.7%
Coating diameter (uncolored)	245±10 μm
Proof stress	≥ 0.7 Gpa

Ordering Information

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

Cable Type		No of Fibres		Additional*	
MCM	Micromodule	C36	36 FO	DY	Dry
MCD	Microduct	C48	48 FO	2W	2 Wires
		C72	72 FO	FI	Flat Inside Round
		C96	96 FO	SM	Steel Wire Messenger
		C144	144 FO	FRPM	FRP Messenger
		C288	288 FO	FRPMF8	Figure 8 FRP Messenger
				FRP2	FRP x 2
				FCM	FRP Central Strength Member
				SCM	Steel Central Strength Member
▲		▲		▲	
MCD	A2	C288	HD	FRP2	
	▼		▼		
G657A2	A2	HDPE	HD		
OS2	S2	PVC	PV		
		LSZH	LS		
		Polyethylene	PE		
		LDPE	LD		
		Double Jacket PE/PVC	DJ		
		Double Jacket HDPE	DJHD		
		Single Jacket HDPE	SJHD		
		Single Jacket PE	SJPE		
Fibre Type		Material			

*Leave blank if not required

Example Part Number	
Description	Part Number
BCP Microduct Fibre Optic Cable - 288 Core G657A2 with 2×FRP (Module 12)	B/MCDA2C288HDFRP2