

Indoor/Outdoor Tight Buffered Breakout Fibre Optic Cable

Breakout cables are constructed of up to 24, 2mm simplex cables stranded around a central strength member. These cables are generally used for long distance patch applications where added protection to the cable is required.

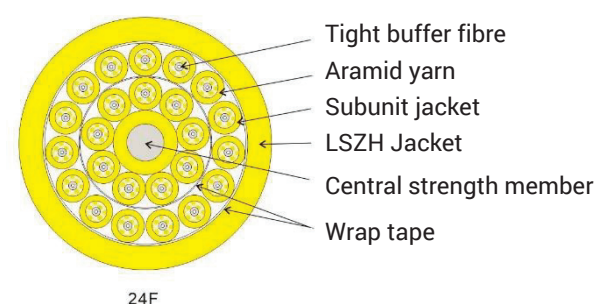
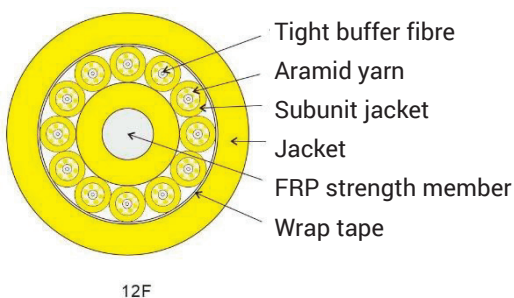
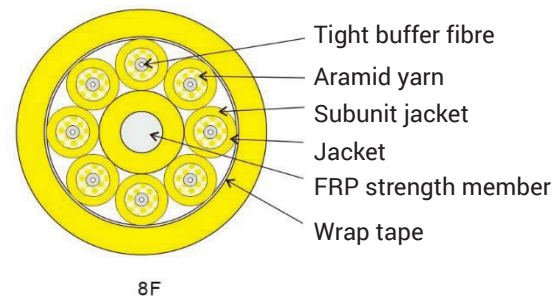
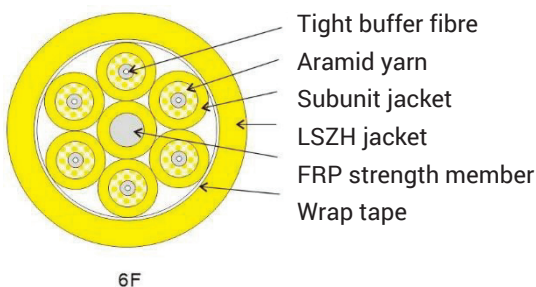
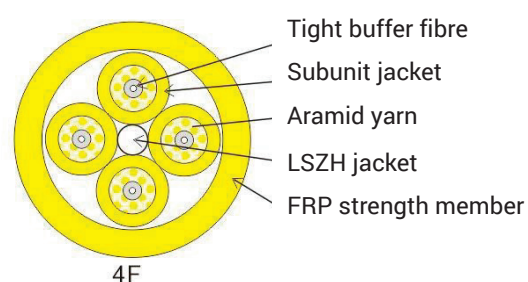
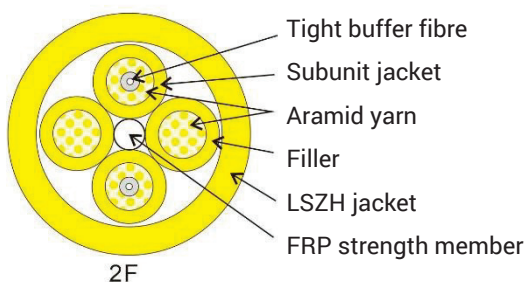
KEY FEATURES

- Individual high strength aramid yarn strength members for ease of handling
- Compatible with field terminable connectors
- Additional sheath protection for long distance patching
- Lightweight and compact
- LSZH jacket

APPLICATIONS

- Internal breakout cable
- Inner building backbone application
- Optical cable for patching applications
- Data centre cross connects

Structure Diagram



Optical Fibre Characteristics

FIBRE TYPE	ATTENUATION				OVERFILLED MODAL BANDWIDTH (OFL)	EFFECTIVE MODAL BANDWIDTH	MINIMUM BENDING RADIUS
	1310/1550NM		850/1300NM		850/1300NM (HZ.KM)	850NM (MHZ.KM)	MM
	TYPICAL (DB/KM)	MAXIMUM (DB/KM)	TYPICAL (DB/KM)	MAXIMUM (DB/KM)			
G.657A1	0.36/0.22	0.4/0.3	–	–	–	–	10

Cable Dimensions and Constructions

ITEMS		UNIT			DESCRIPTION			
FIBRE COUNTS		/	2	4	6	8	12	24
TIGHT BUFFER FIBRE	Material	/	LSZH					
	Diameter	Mm	0.85±0.05					
	Colour	/	White					
SUBUNIT CABLE	Material	/	LSZH					
	Diameter	Mm	2.0±0.1					
	Strength member	/	Aramid yarn					
	Colour	/	Yellow					
FILLER	Material	/	LSZH & Aramid yarn	/				
	Diameter	mm	2.0±0.1	/				
CENTRAL STRENGTH MEMBER	Material	/	FRP			FRP & LSZH		
	Diameter	mm	1.0	1.0	2.0	3.2	5.5	3.8
OUTER SHEATH	Material	/	LSZH					
	Colour	/	Yellow					
CABLE DIAMETER	Approx.	mm	7.0	7.0	8.2	9.4	11.8	14.1
CABLE WEIGHT	Approx.	kg/km	46	46	85	110	157	197

Mechanical and Environmental Characteristics

ITEMS	STANDARD	DESCRIPTION	
TENSILE PERFORMANCE	IEC 60794-1-2-E1	short-term	500N for 2/4 core 1000N for 6 core 1100N for 8 core 1400N for 12 /24 core
		long-term	270N for 2/4 core 600N for 6 core 700N for 8/12/24 core
CRUSH RESISTANCE	IEC 60794-1-E3	short-term	1000N/10cm
		long-term	300N/10cm
CABLE IMPACT	IEC 60794-1-E4	No change in attenuation at 1550nm after test.	
REPEAT BENDING	IEC 60794-1-E6		
TEMPERATURE RANGE	IEC 60794-1-2-F1	-20°C ~+ 60°C	
MINIMUM BENDING RADIUS	Static	10×Cable diameter	
	Dynamic	20 × Cable diameter	

Ordering Information

PART NUMBER	PRODUCT DESCRIPTION
FCTB2SS2YL	Fibre Cable Tight Buffered Breakout 2mm Simplex SM 2 Fibre – Yellow
FCTB2SS4YL	Fibre Cable Tight Buffered Breakout 2mm Simplex SM 4 Fibre – Yellow
FCTB2SS6YL	Fibre Cable Tight Buffered Breakout 2mm Simplex SM 6 Fibre – Yellow
FCTB2SS8YL	Fibre Cable Tight Buffered Breakout 2mm Simplex SM 8 Fibre – Yellow
FCTB2SS12YL	Fibre Cable Tight Buffered Breakout 2mm Simplex SM 12 Fibre – Yellow
FCTB2SS24YL	Fibre Cable Tight Buffered Breakout 2mm Simplex SM 24 Fibre – Yellow