

Ruggedized Outdoor Patch Cords

Recommended for patching where frequent handling is required or in outdoor fiber runs where a stiffer, more rugged cable is required, these are available in Multi Mode and Single Mode with all of the standard connector options. The cable used is also known as a Flat Twin or Duplex Breakout Cable, which consists of two Simplex semitight buffered cables surrounded by aramid yarn, encased in an additional LSZH sheath for extra rigidity and protection.



FEATURES

- Flexible and compact
- Crush & kink resistance
- Twice as tough as standard duplex patch cable

BENEFITS

- Less prone to damage when during & after installing
- Suitable for use in outdoor environment where cable is laid where the containment is directly exposed to elements.

SPECIFICATIONS

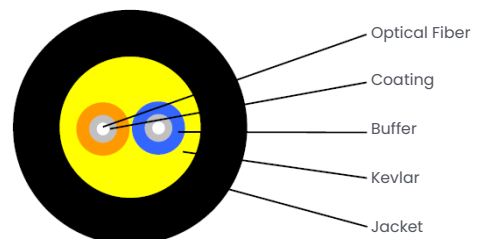
Connectors:	SC, FC, ST, LC, MU, MTRJ		
Fiber Optic Options	SM 9/125, MM 62.5/125 (OM1), 50/125 (OM2,OM3)		
	For both Single Mode & Multi Mode		
Crush (long term)	2000N/100mm		
Crush(short term)	2000N/100mm		
Operating Temperature	Min: -10 °C Max: +80 °C		
Fire	IEC 60332-1		
	PC	UPC	APC
Insertion Loss	≤ 0.40 dB	≤ 0.25 Db	≤ 0.40 dB
Return Loss	≥ 30 dB	≥ 50 dB	≥ 60 dB
Repeatability	≤ 0.1 dB	≤ 0.1 dB	≤ 0.1 dB

APPLICATION

- Internal inter-cab links
- Broadcast
- Military
- Industrial

STANDARDS & COMPLIANCE

- IEC 60874-10
- TIA/EIA-604-2
- Tested to meet and exceed Telcordia GR-326-CORE
- Compliant to Directive 2002/95/EC (RoHS)
- LSZH jacket compliant to IEC60332, IEC60333, and IEC61034



| FIBER PARAMETERS

Items		Unit	Specification G.657A1
Mode Field Diameter	1310nm	μm	8.8±0.4
	1550nm	μm	9.8±0.5
Cladding Diameter		μm	125.0±0.7
Cladding Non-Circularity		%	≤0.7
Core-Cladding Concentricity Error		μm	≤0.5
Coating Diameter		μm	245±5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		μm	≤12.0
Cable Cutoff Wavelength		nm	ccs1260
Attenuation(max.)	1310nm	dB/km	≤0.35
	1550nm	dB/km	≤0.25
Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
	1turn×10mm radius @1625nm	dB	≤1.5

| CABLE PARAMETERS

Items		Specifications
Fiber Type		SM
Fiber Count		2
Tight-buffered Fiber	Dimension	900μm±50μm
	Material	PVC
	Color	White Yellow
Jacket	Dimension	5.0±0.2mm
	Material	LSZH
	Color	Black

| MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Items	Unit	Specifications
Tension (Long Term)	N	150
Tension (Short Term)	N	300
Crush (Long Term)	N/10cm	200
Crush (Short Term)	N/10cm	400
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Operation temperature	°C	-20 ~ +70

| ORDERING PRODUCT CODE GENERATOR

14F6FD

Mode		Connector 1		Connector 2		Length (mts)	
SM	09	FC	FC	FC	FC	XX	1.5
62	62	SC	SC	SC	SC	XX	2
50	50	ST	ST	ST	ST	XX	3
OM3	53	LC	LC	LC	LC	XX	4
		E2000	E20	E2000	E20	XX	5
		FC Angled	FA	FC Angled	FA	XX	10
		SC Angled	SA	SC Angled	SA		
		ST Angled	TA	ST Angled	TA		
		LC Angled	LA	LC Angled	LA		
		D4	D4	D4	D4		
		FDDI	FD	FDDI	FD		
		ESCON	ES	ESCON	ES		
		SMA	A1	SMA	A1		
		MU	MU	MU	MU		

