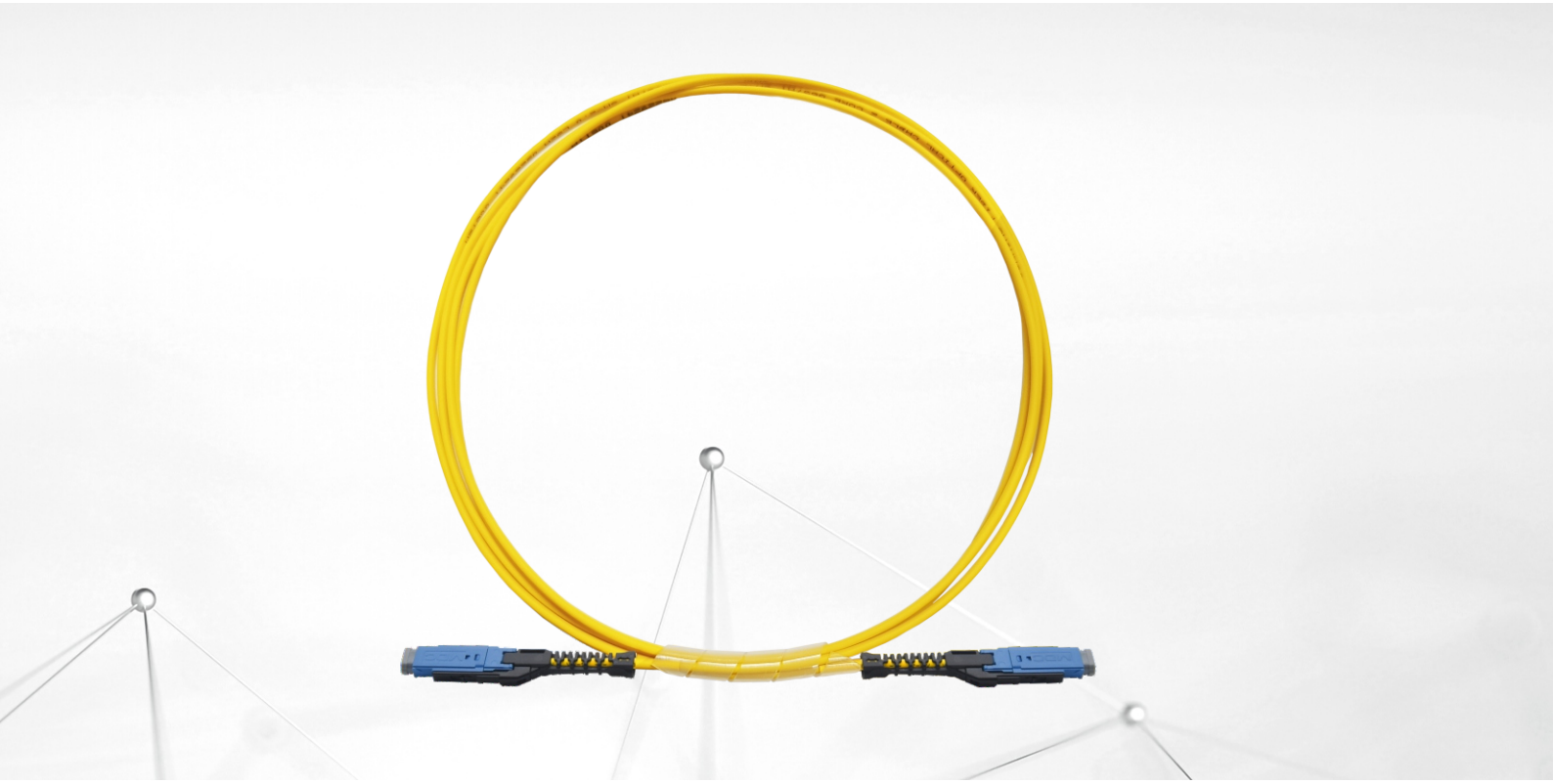
MDC Fiber Patch Cables Datasheet



Standards Compliance

- Telcordia GR-326 standard
- TIA-568 standard
- RoHS and REACH

Features

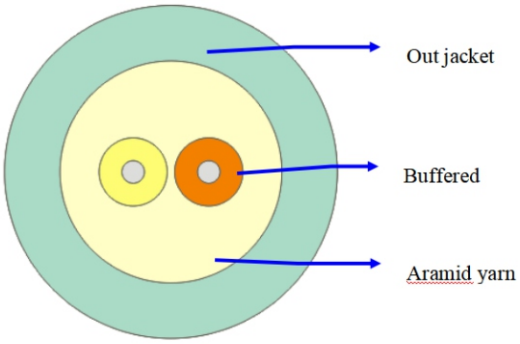
- Low Insertion Loss / High Return Loss Connector
- Polishing Type: UPC, APC
- Factory pre-terminated, 100% tested
- DirectConec™ push-pull boot for effortless connector insertion and extraction
- Optional fiber types: G657.A1, G657.A2, OM3, OM4, OM5
- Ultra Small Form Factor (VSFF) connector, wiring density 3 times higher than LC duplex

Technical Specification

ITEM	Description
Fiber Count	Duplex
Connector Type	MDC Connector
Polish Type	Single Mode: UPC;APC Multimode: UPC
Connector Ferrule	Zirconia Ceramic Ferrule
Cable Diameter	2.0mm
Fiber Mode	Single Mode: G657.A1/G657.A2 Multimode: OM3/OM4/OM5
Cable Jacket	PVC/LSZH
Cable Jacket Color	SM: Yellow MM: Aqua:(OM3); Violet:(OM4); Lime Green:(OM5)
Connector Durability	500 mating cycles

ITEM	Description
Insertion Loss	SM/APC:≤0.30dB; SM/UPC:≤0.20dB MM/UPC:≤0.20dB
Return Loss	SM/APC:≥65dB; SM/UPC:≥50dB MM/UPC:≥35dB
Wavelength	SM: 1310/1550nm MM: 850/1300nm
Operating Temperature	-40~75°C

Cable Technical Specification

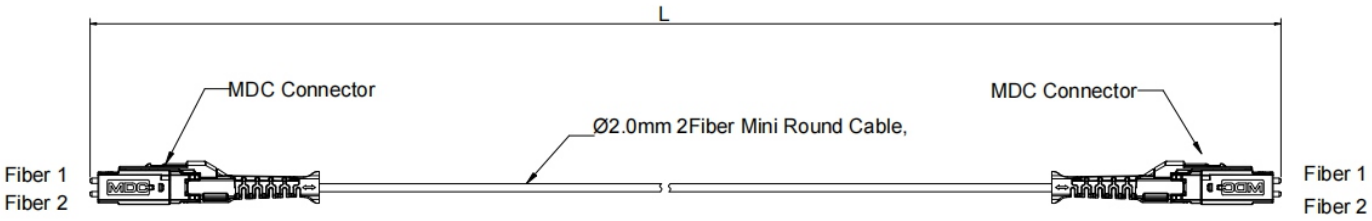


Duplex single tube 2.0mm

ITEM	Description
Fiber Minimum Bend Radius	SM: 10mm(G657.A1); 7.5mm(G657.A2) MM:7.5mm(OM3/OM4/OM5)
Cable Minimum Bend Radius	Dynamic:20D Static:10D
Attenuation(dB/km)	SM: ⩽0.5 at 1310nm, ⩽0.4 at 1550nm OM3/OM4/OM5:⩽3.5 at 850nm, ⩽1.5 at 1300
OFL Bandwidth (MHz*km)	OM3: ⩾1500 at 850nm, ⩾500 at 1300nm OM4: ⩾3500 at 850nm, ⩾500 at 1300nm OM5: ⩾3500 at 850nm, ⩾500 at 1300nm

Cables	Nominal Weight	Max.Tensile Strength		Max.Crush Resistance	
		Short-Term	Long-Term	Short-Term	Long-Term
2.0mm Duplex Single Tube	5.0kg/km	75N	35N	200N/100mm	50N/100mm

Technical Drawing



Length Tolerances

Length	Tolerances
L<1m	+50mm/-0
1m<L≤10m	+100mm/-0
10m<L≤20m	+200mm/-0
L>20m	+1%/-0

Ordering Information

MDC/UPC	-	MDC/UPC	-	OM3	-	DX	-	2.0	-	1.5M	-	LSZH	-	Aqua
1		2		3		4		5		6		7		8

1-Connector A: MDC/UPC; MDC/APC;

2-Connector B: MDC/UPC; MDC/APC;

3-Fiber Type: OM3; OM4; OM5; G657.A1; G657.A2; etc;

4-Fiber Count: DX:Duplex;

5-Cable Diameter: 2.0:2.0mm;

6-Cable Length: 1.5M; etc;

7-Cable Jacket Ratings: LSZH; PVC;

8-Cable Color: Yellow:(G657.A1/G657.A2); Aqua:(OM3); Violet:(OM4); Lime Green:(OM5);

SHKE Communication Tech Co.,Ltd.

Add: 3/F, Building 1, Future Science Park,
No.1026 Songbai Road, Xili, Nanshan District
Shenzhen 518055 China

E-mail: market@shke.com.cn

Web: www.shke.com.cn

Copyright ©202610 SHKE Communication Tech Co.,Ltd All Rights Reserved.