



Standard Fiber Patch Cables Datasheet



Standards Compliance

- YD/T1272.1-2018
- YD/T1272.3-2015
- YD/T1272.4-2018
- YD/T987-1998
- IEC 61300-3-35
- RoHS and REACH

Features

- Low loss Connector
- LC/SC/ST/FC available
- Polish Type: UPC,PC,APC
- G657A1, OM3, OM4, OM5 available
- Factory Pre-terminated 100% Tested

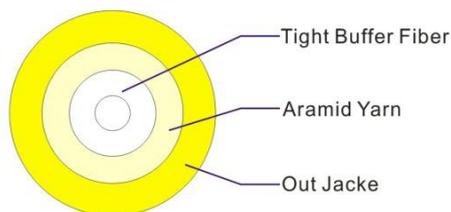
Technical Specification

ITEM	Description
Fiber Count	Duplex/Simplex
Connector Types	LC/SC/ST/FC
Polish Type	Single Mode: UPC;PC;APC Multimode: UPC;APC
Fiber Mode	Single Mode: OS2/G657A1 Multimode: OM1/OM2/OM3/OM4/OM5
Cable Diameter	Duplex: 2.0/3.0mm, Simplex:2.0/3.0mm
Connector Ferrule	Zirconia Ceramic
Cable Jacket	PVC/LSZH/OFNP
Cable Jacket Color	SM:Yellow MM:Orange(OM1/2);Aqua(OM3);Violet(OM4);LimeGreen(OM5)

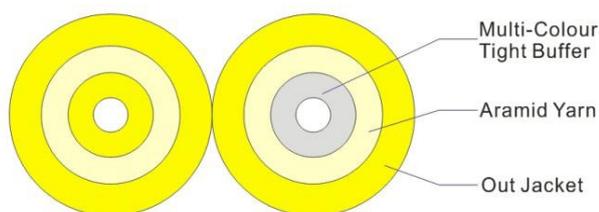
ITEM	Description
Insertion Loss	SM/UPC/PC:≤0.3dB,SM/APC:≤0.3dB MM/UPC/APC:≤0.2dB
Return Loss	SM/UPC/PC:≥50dB,SM/APC:≥60dB MM/UPC:≥35dB,MM/APC:≥45dB
Wavelength	Single Mode: 1310/1550nm Multimode: 850/1300nm
Operating Temperature	-25~70°C
Storage Temperature	-25~70°C

Connector Type Fiber Mode	SC		LC		FC		ST	
	Connector	Boots	Connector	Boots	Connector	Boots	Connector	Boots
SM/UPC/PC	Blue	Blue	Blue	White	/	Black	/	Black
SM/APC	Green	Green	Green	Green	/	Green	/	Green
OM1/OM2	Beige	Beige	Beige	White	/	Black	/	Black
OM3	Aqua	Aqua	Aqua	White	/	Black	/	Black
OM4	Violet	Violet	Violet	White	/	Black	/	Black
OM5	Lime Green	Lime Green	Lime Green	White	/	Black	/	Black

Cable Technical Specification



Simplex 2.0/3.0mm

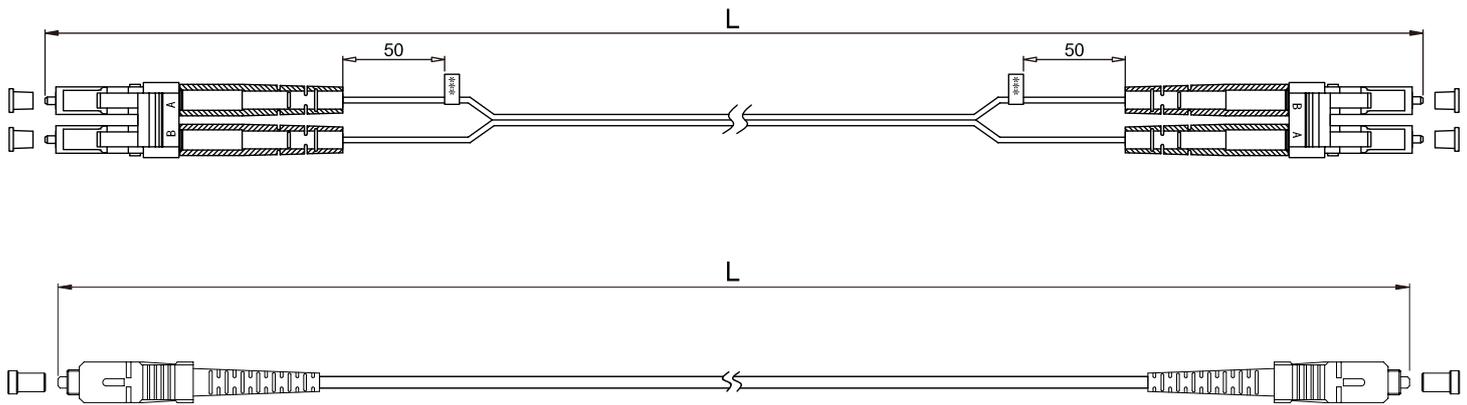


Duplex 2.0/3.0mm

ITEM	Description
Fiber Minimum Bend Radius	SM:10mm(G657A1); 16mm(OS2) MM:7.5mm(OM3/4/5); 30mm(OM1/2)
Cable Minimum Bend Radius	Dynamic:20D Static:10D
Attenuation(dB/km)	SM: ≤0.5 at 1310nm, ≤0.4 at 1550nm OM1/OM2OM3/OM4/OM5: ≤3.5 at 850nm, ≤1.5 at 1300nm
OFL Bandwidth (MHz*km)	OM1: ≥200 at 850nm, ≥500 at 1300nm OM2: ≥500 at 850nm, ≥500 at 1300nm 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
Simplex 2.0mm	3.5kg/km	75N	30N	200N/100mm	50N/100mm
Duplex 2.0mm	8.8kg/km	150N	70N	300N/100mm	100N/100mm
Simplex 3.0mm	7.5kg/km	100N	50N	500N/100mm	100N/100mm
Duplex 3.0mm	13.5kg/km	200N	100N	500N/100mm	100N/100mm

Technical Drawing



Length Tolerances

Length	Tolerances
$L < 1\text{m}$	+50mm/-0
$1\text{m} \leq L \leq 10\text{m}$	+100mm/-0
$10\text{m} < L \leq 20\text{m}$	+200mm/-0
$L > 20\text{m}$	+1%/-0

Ordering Information

$\frac{\text{LC/UPC}}{1} - \frac{\text{LC/UPC}}{2} - \frac{\text{OM3}}{3} - \frac{\text{DX}}{4} - \frac{3.0}{5} - \frac{1.5\text{M}}{6} - \frac{\text{LSZH}}{7} - \frac{\text{Aqua}}{8}$

- 1-Connector A:** LC/UPC; LC/APC; SC/UPC; SC/APC; ST/UPC; ST/APC; FC/UPC; FC/APC;
- 2-Connector B:** LC/UPC; LC/APC; SC/UPC; SC/APC; ST/UPC; ST/APC; FC/UPC; FC/APC;
- 3-Fiber Type:** OM1; OM2; OM3; OM4; OM5; G657A1; OS2; etc;
- 4-Fiber Count:** DX: Duplex; SX: Simplex;
- 5-Cable Diameter:** 3.0: 3.0mm; 2.0: 2.0mm;
- 6-Cable Length:** 1.5M; etc;
- 7-Cable Jacket Ratings:** LSZH; PVC; OFNP;
- 8-Cable Color:** MM: Orange(OM1/2); Aqua(OM3); Violet(OM4); LimeGreen(OM5);
SM: Yellow(G657A1/OS2);



SHKE Communication Tech Co.,Ltd.

Add: 301, Factory Building 1, Nangang 2 Industrial Park,
No.1026 Songbai Road, Sunshine Community,
Xili Street, Nanshan District, Shenzhen, China
P.C.:518108

E-mail: market@shke.com.cn

Web: www.shke.com.cn

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