

DLC/UPC-DLC/UPC-SM-2C-LSZH-5.0mm-ARMORED

SM/G657A2 2 Cores, Black LSZH,φ5.0mm, Armored, breakout φ2.0mm



Product Description

DLC/PC-DLC/PC-SM(G657A2)-DX-5.0mm-LSZH-XXM

Main cable armored, 2.0mm branch cable, One side Non-armored branch with M28 plastic Gland And stoppers. The other side (side B) armored branch with mesh Kevlar to increase tensile strength.

Product Structure

No.	Element	Qty/Unit	Requirements
1	Connector	2 Pcs	LC/UPC Duplex SM 2.0mm Connector
2	Break Out Cable (A)	2 Pcs	OD 2.0mm Black simplex cable tube
3	Hot shrink sleeve	1 Pcs	adhensive hot shrink sleeve

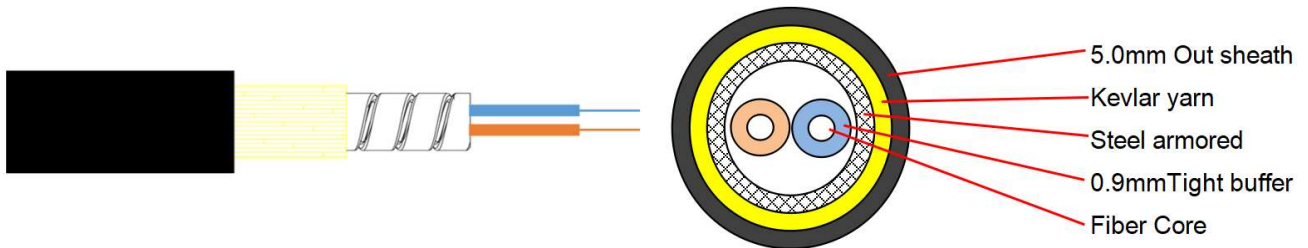
4	Cable	1Pcs	OD 5.0mm LSZH Black G675A2 Duplex Armored cable
5	Hot shrink sleeve	1 Pcs	adhensive hot shrink sleeve
6	Break Out Cable (B)	2Pcs	OD 2.0mm Black simplex cable tube
7	Connector	2Pcs	LC/UPC Duplex SM 2.0mm Connector
8	Identifier	2 Pcs	A/B White Identifier
9	Identifier	2 Pcs	A/B White Identifier

Fiber Chart crossed	
From side A	From side B
A	B
B	A

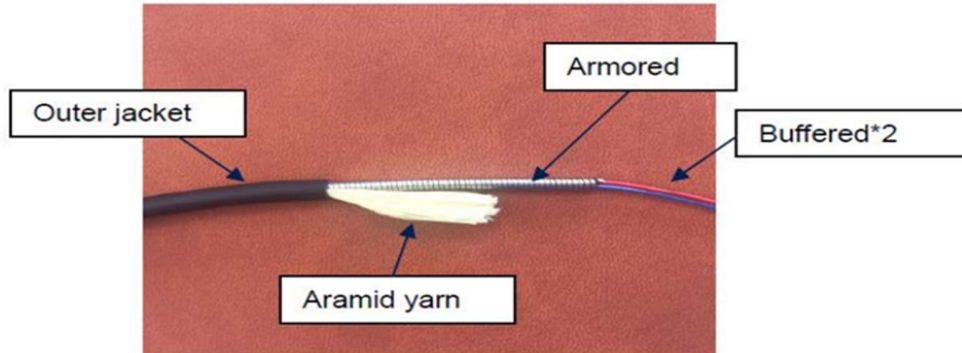
Parts list

#	Item Description	QTY
1	Flexible armored cable	1
2	Gland (Ceragon p/n AA-0597-0)	1
3	Stopper. OD- 11.5±0.3mm	2
4	Micro LC Duplex Unibody connector - gland side	1
5	Standard LC Duplex Unibody connector - non-gland side	1

Cable Index



Cable structure drawing



Cable Characteristic

Technical Parameters:									
Out Diameter (MM)	Inner Diameter (MM)	Weight (KG)/KM	Minimum allowable Tensile Strength (N)		minimum allowable Crush Load (N/100mm)		Minimum Bending Radius (MM)		Storage temperature (°C)
			short term	long term	short term	long term	short term	long term	
5.0±0.2	0.9	40.00	1200	500	2000	1000	20D	10D	-20+75

G657A2 Fiber Characteristic

Item	Parameter
Fiber Type	9/125 um
Core Diameter	9 um
Core Non-Circularity	≤1.0 %
Cladding Diameter	125.0±0.7um
Cladding Non-Circularity	≤0.7 %
Coating Diameter	245±5 um
Coating-Cladding Concentricity Error	≤12.0um
Coating Non-Circularity	≤6.0um

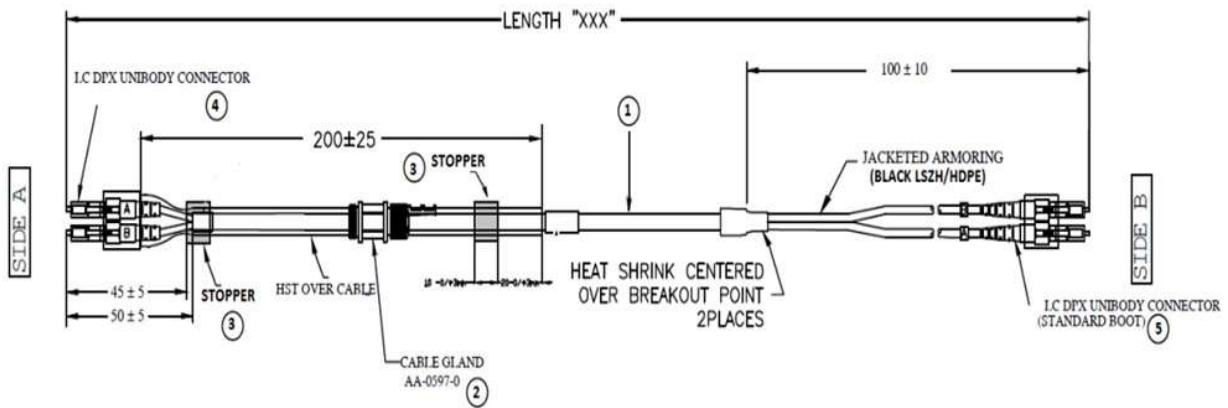
Core-Cladding Concentricity Error	$\leq 0.5\mu\text{m}$
Attenuation @1310nm	$\leq 0.35\text{dB/km}$
Attenuation @1550nm	$\leq 0.21\text{dB/km}$
PMD	$\leq 0.1[\text{ps} / \text{km}]$
Mode field diameter (MFD) @1310nm	8.4-9.2 μm
Mode field diameter (MFD) @1550nm	9.3-10.3 μm
Effective group index of refraction (Neff) @1310nm	1.466
Effective group index of refraction (Neff) @1550nm	1.467
Point discontinuities @1310nm	$\leq 0.5\text{db}$
Point discontinuities @1550nm	$\leq 0.5\text{db}$
Macro-bend induced attenuation	
10 turns around a mandrel of 15 mm radius @1550nm	$\leq 0.03\text{db}$
1 turns around a mandrel of 10 mm radius @1550nm	$\leq 0.1\text{db}$
1 turns around a mandrel of 7.5 mm radius @1550nm	$\leq 0.2\text{db}$

Optical Characteristic

Item	Parameter
Connector Type	LC/UPC-LC/UPC
Insertion Loss	$\leq 0.2\text{dB}$
Return Loss	$\leq 50\text{dB}$
Fiber Mode	SM/G657A2
Operating Wave Length	1310nm, 1550nm
Test Wave Length	1310nm, 1550nm
Repeatably	≤ 0.1
Interchangeability	$\leq 0.2\text{dB}$

Durability	≤0.2dB
Fiber Length	1m, 2m...any length optional.
Tolerance	+100nm / -0mm @ L=1~10m
	+200nm / -0mm @ L=10~50m
	+500nm / -0mm @ L > 50m
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-40 °C ~ +60 °C
Installation Temperature	-20 °C ~ +60 °C

Mechanical Specifications



Physical Characteristic

Item	Parameter
Cable Core	2
Diameter	5.0mm Armored (outside with LSZH)
	0.9mm tight buffer
Weight	40g/M
Tensile Strength	1000N (short term)

	500N (long term)
Crush Load	2000N/100mm (short term)
	1000N/100mm (long term)
Bending Radius	20D mm (Static)
	10D mm (Dynamic)