

UC^{FIBRE}™ ZICM Series

Zipcord Interconnect Cable, LSZH Sheath

Features

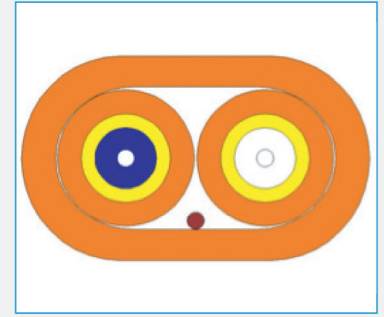
- **Buffer Coating:** LSZH material, tight buffered fiber
- **Peripheral reinforcement:** aramid yarns
- **Sub-unit Sheath:** LSZH OFNR
- **Outer Sheath:** LSZH, 1 ripcord beneath
- **Suitable for Duct Buried or Indoor/Outdoor Installation**

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	220N	$\Delta I/I$ fibre $\leq 0.6\%$, $\Delta\alpha$ reversible
Tension opération max	IEC 60794-1-2-E1	66N	$\Delta I/I$ fibre $\leq 0.2\%$, $\Delta\alpha \leq 0.40$ dB (MM), ≤ 0.30 dB (SM)
Crush	IEC 60794-1-2-E3	350N / 100mm	$\Delta\alpha \leq 0.40$ dB (MM), ≤ 0.30 dB (SM) , cable integrity

*values for single-mode fibres, all optical measurements performed at 1550 nm

values for multi-mode fibres, all optical measurements performed at 1300 nm



Overview

UC^{FIBRE}™ zipcord fibre optical provides the durability and flexibility to all indoor applications with ruggedized properties, its LSZH properties ensure a safe flame propagation restrictions and is widely used in any zipcord interconnect applications.

Additional Options

- Plenum or Riser
- Duplex

Technical data

No. of Fibres		2			
Design		/			
Buffer Diameter - Ø	mm	0.6 ± 0.05	0.6 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
Sub-unit Sheath thickness	mm	0.25 nominal	0.3 nominal	0.35 nominal	0.5 nominal
Sub-unit Diameter	mm	1.6 nominal	1.8 nominal	2.0 nominal	2.9 nominal
Outer Sheath thickness	mm	0.5 nominal	0.5 nominal	0.5 nominal	0.5 nominal
Cable Diameter (H x W)	mm	2.6 x 4.3	2.8 x 4.7	3.0 x 5.1	3.9 x 6.9
Cable Weight	kg / km	12	14	17	28
Max installation tension	N	220	220	220	220
Min. bending radius		Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø	
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -20 -> +70	
Flame Retardant		LSZH, IEC 60332-1, IEC60332-3-24			

Ordering Information

UC^{FIBRE}™ Zipcord Interconnect FO part numbers are made up using the table below.

The part number always starts with the letters ZICM to denote that it is a Zipcord Interconnect FO Cable with a LSZH sheath. This is followed by 1 number which symbolises the cable diameter, 2 numbers to represent the number of cores and then 2 letters to denote the fibre type.

Example of a ZICM part number: -

SICM02M1

The above example describes an OM1 (62.5um), Zipcord Interconnect FO Cable (LSZH jacketing), with 2.0mm cable diameter.

ZIPCORD	INTERCONNECT	SHEATH	CABLE DIAMETER	CORES QUANTITY	FIBRE TYPE
Z	IC	M	X	02	XX
		LSZH	6 - 1.6mm 2 - 2.0mm		SM - SINGEMODE, G652D, 9um (yellow sheath) M7 - G657A2, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath, Bendbright) M3 - OM3, 50um (aqua sheath, Bendbright) M4 - OM4, 50um (aqua sheath, Bendbright)