

UC^{FIBRE™} BICM Series

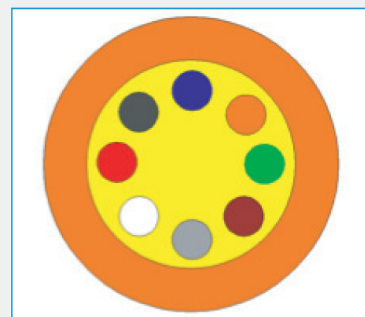
2, 4, 6, 8, 12 Fibres Interconnect cable, LSZH Jacket

Features

- **Fibre** : 2-12 core 250um coloured fibers
- **Strength Member** : Aramid yarn
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1 & 60332-3-24

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	220 N	fibre strain ≤ 0.6%, Δα reversible
Crush(short term)	IEC 60794-1-2-E3	500 N / 100mm	Δα ≤ 0.3 dB (SM), 0.4 dB (MM), no damage
Temperature range	IEC 60794-1-2-F1	0 -> +70	Δα ≤ 0.3 dB /km (SM), 0.6 dB /km (MM)



Overview

Up to 12 250um fibres protected by aramid yarns and LSZH sheath for indoor applications whereby easy stripping of fibre when terminating is required.

Additional Options

- Plenum or Riser

Technical data

No. of Fibres		2-12		
Design		1 x 12 coloured Fibres		
Outer sheath thickness	mm	0.7 nominal		
Cable Nominal Diameter	mm	3.3 ± 0.15		
Cable Weight	kg / km	10		
Max installation tension	N	220		
Max operation tension	N	73		
Min. bending radius	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation 0 -> +70;
Flame Retardant		IEC 60332-1, IEC 60332-3-24		

Ordering Information

UC^{FIBRE™} BICM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters BICM to denote that it is a UC^{FIBRE™} BICM SERIES FO Cable with a LSZH sheath. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a BICM part number: -

BICM002SM

The above example describes a singlemode (G652D, 9um) UC^{FIBRE™} BICM SERIES FO Cable (LSZH jacketing), with 2 cores.

BARE FIBRE 250um	INTERCONNECT	SHEATH	CORE QUANTITY	FIBRE TYPE
B	IC	M	XXX	XX
		LSZH	002 - 2 cores 004 - 4 cores 006 - 6 cores 008 - 8 cores 012 - 12 cores	SM - SINGEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)