

## Multifibre full breakout cable assemblies

- Available in OM1, OM2, OM3, OM4 and OS1/OS2 fibre types
- 2 - 24 core full breakout cable
- 2mm ruggedized tails
- Internal LSZH cable jacket
- Available with all standard connectivity
- Factory terminated and tested



### Overview

This quality controlled fibre optic assembly is specified for short internal optical links. The 900µm tight buffer presentation lends itself to installation within a patch panel, wall box or Optical Distribution Frame (ODF).

Crush resistant protective tubing assures secure transportation and installation. The high strength pulling element allows fast, safe and effective pulling. The overall assembly and packing are light and compact, reducing transport cost and storage space. Installation waste is also reduced. A unique link loss certificate accompanies all multifibre assemblies.

#### Benefits

- Rapid deployment- factory terminated cabling saves installation and reconfiguration time eliminating field termination variables
- High performance and reliability- 100% tested combination of high quality components and manufacturing quality control guarantees product to the highest standards

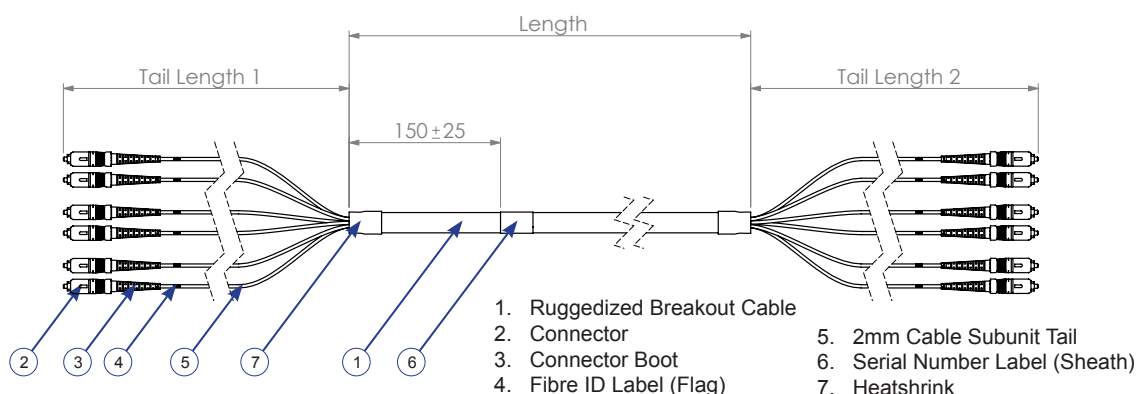
- Cost savings- installation time involving a costly highly qualified workforce is reduced to the minimum
- Direct connection to equipment/panel- direct connection to active equipment is possible bypassing wall boxes, ODFs and panels, reducing fibre management and easing racking space

#### Applications

- Internal short links
- Front panel/equipment connections
- Data centre infrastructure

#### Standard compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- ISO/IEC 60793 and ISO/IEC 60794
- ISO/IEC 61753, IEC 61754 and IEC 61755
- ISO/IEC 60332-1, IEC 61034-1/2 and IEC 61754-1/2
- Complaint to Directive 2002/95/EC (RoHS) and REACH SvHC



### Specifications

Fibre grade	OS1/OS2, G.657A1, OM1, OM2, OM3, OM4 (ISO/IEC 607930)
Cable specification	Full Breakout 2- 24 cores (ISO/IEC 60794)
	OD 12 cores 11.8 ± 0.3mm
	OD 24 cores 14.1 ± 0.3mm
	Jacket material: LSZH, OFNP
Connectors	IEC 61753, IEC 61754, IEC 61755
Packaging	Length <50mtr: HD PE bag Length >50mtr: drum
Operating temperature	-10 ~ +60°C
Storage temperature	-40 ~ +70°C

### Cable performance

Fibre type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
	≤ 0.38 Max (1310nm) ≤ 0.25 Max (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1330nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)
Attenuation coefficient [db/km]	≤ 0.34 Typ (1310nm) ≤ 0.19 Typ (1550nm)	≤ 2.9 Typ (850nm) ≤ 1.2 (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)
Minimum bandwidth: Overfilled launch [Mzh-km]	NA	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum bandwidth: Laser effective modal bandwidth [Mzh-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700 (850nm)

### Connector performance

Connector mating	IL average standard	IL MAX standard	IL average premium	IL MAX premium	Return loss
LC, SC MM	0.15dB	0.30dB	0.08dB	0.15dB	NA
LC, SC MM	0.18dB	0.30dB	0.12dB	0.15dB	>55/65dB

### Ordering information

#### Part number generator

PRE														
	Fibre Count	Connector END A				Connector END B*				Fibre type		Cable Construction		Cable length (Mtr)
	2	LC	LC	FC	FC	LC	LC	FC	FC	OS1/OS2	09	Breakout	BO	XX
	4	LC/APC	LCA	FC/APC	FCA	LC/APC	LCA	FC/APC	FCA	OM1	62			
	6	SC	SC	E2000	E2	SC	SC	E2000	E2	OM2	50			
	8	SC/APC	SCA	E2000/APC	E2A	SC/APC	SCA	E2000/APC	E2A	OM3	OM3			
	12	ST	ST			ST	ST			OM4	OM4			
	16									G.657/A1	A1			
	24													

\* If end B differs from end A

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