

### Internal/External Rodent Resistant Single Loose Tube Hybrid Cables with E-glass Strength Members (SJ009)

#### Description

24 fibre (12 x OS1/OS2 ITU-T G.652D singlemode + 12 x OM1 multimode) 250 µm single loose tube internal/external duct cables with E-glass strength members and Low Smoke Zero Halogen (LSZH) jacket.

The single loose tube cables consist of 24, 250 µm optical fibres in a single gel filled loose tube with longitudinally applied E-glass non metallic strength members and LSZH jacket with ripcord.

#### Applications

- ▶ Suitable for internal/external duct applications
- ▶ Suitable for environments where rodent resistance is required
- ▶ Ideal for intra building links in campus environments

#### Features/Benefits

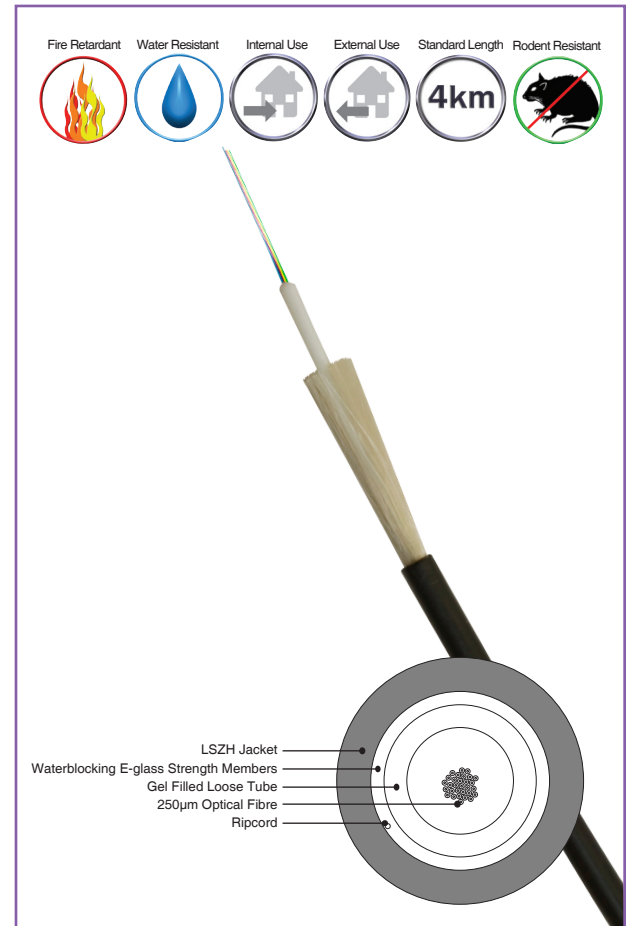
- ▶ Combination of fibre types
- ▶ Colour coded fibres
- ▶ E-glass strength members for rodent resistance
- ▶ Compact 250 µm loose tube construction
- ▶ Flame retardant LSZH jacket for enhanced fire performance

#### Optical Fibre Specification

Please refer to fibre OM1 and OS1/OS2 (ITU-T G.652D) fibre datasheets.

#### Cable Specification

PARAMETER	UNIT	VALUE
Crush	N/100mm	1000
Strength member		E-glass
Storage temperature	°C	-20 to 60
Installation temperature	°C	-20 to 60
Operating temperature	°C	-20 to 60
Nominal weight	kg/km	48
Fibre count	n	24
Nominal outer diameter	mm	6.7 ± 0.3
Maximum tensile load (Short term)	N	1000
Minimum tensile load (Long term)	N	500
Minimum bend radius	mm	Installed 10D Loaded 20D
Drum length	km	2 or 4
Plywood drum dimensions (Flange,Barrel,Width)	mm (approx)	F900, B450, W680
Drum weight with cable 4 Km	kg (approx)	208



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#### Fibre Identification

No	1	2	3	4	5	6	7	8	9	10	11	12
Fibre	Blue SM	Orange SM	Green SM	Brown SM	Grey SM	White SM	Red OM1	Black OM1	Yellow OM1	Purple OM1	Pink OM1	Aqua OM1
Fibre	Blue +b SM	Orange +b SM	Green +b SM	Brown +b SM	Grey +b SM	White +b SM	Red +b OM1	Black +w OM1	Yellow +b OM1	Purple +b OM1	Pink +b OM1	Aqua +b OM1

+b = single black band ringmark, +w = single white band ringmark

#### Fire Performance

FIRE TEST DESCRIPTION	FIRE TEST SPECIFICATION
Smoke emission	IEC 61034-1 & 2
Flammability	IEC 60332-1
Toxicity	IEC 60754-1
Acid gas emission	IEC 60754-2

#### Ordering Information

DESCRIPTION	PART NO.
24 fibre (12 x OS1/OS2 ITU-T G.652D singlemode + 12 x OM1 multimode) 250 µm single tube RR LSZH	<b>OSMSJ00924UBK</b>