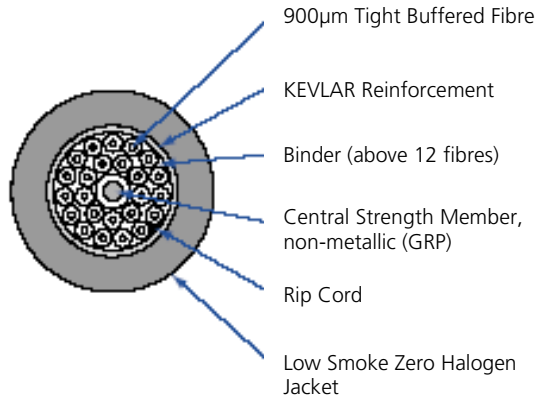


# TrueNet<sup>®</sup>

## Fibre Indoor Highlight CSM Cable

Issue 8



Colour coded, tight buffered fibres stranded around a central strength member (CSM). Non-PVC, Low Smoke Zero Halogen (LSZH) buffer and outer jacket designed for indoor riser applications.

### Features:

- Available as 9µm singlemode (OS2), 62.5µm multimode (OM1) or 50µm multimode (OM3)
- Available in 4, 6, 8, 12, 18 and 24 core counts
- Standard OS2 jacket colour is yellow, OM1 is orange and OM3 is aqua, but other jacket colours are available on request (BK=Black, PI=Pink, RD=Red)

### Specifications

#### Cable General:

Overall cable diameter (nominal)

4 core: .....	6.0mm
6 core: .....	6.1mm
8 core: .....	7.0mm
12 core: .....	8.2mm
18 core: .....	8.1mm
24 core: .....	9.4mm

Mass (nominal)

4 core: .....	34kg/km
6 core: .....	36kg/km
8 core: .....	49kg/km
12 core: .....	68kg/km
18 core: .....	64kg/km
24 core: .....	80kg/km

Crush Resistance: ..... 1500N/cm

Impact Resistance: ..... 1000 impacts

Flexing: ..... 1000 cycles

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## Fibre Indoor Highlight CSM Cable

Maximum Pulling Load	
4-12 fibres: .....	1000N
18-24 fibres: .....	1800N
Maximum Safe Operating Load	
4-12 fibres: .....	600N
18-24 fibres: .....	1000N
Minimum Bend Radius	
Max Installation Load: .....	20 x cable O.D
Unloaded: .....	10 x cable O.D
Maximum Vertical Rise: .....	325m
Operating Temperature: .....	-40°C to +70°C
Storage Temperature: .....	-40°C to +70°C
Specifications: .....	AS/ACIF S008, IEC 60793 Parts 1&2, ITU-T G652
Tested: .....	In accordance with the relevant TIA/EIA-455 series FOTP's

**Cables are manufactured from glass fibre with the following specifications:**

**9µm Singlemode fibre:**

Optical Fibre Specification: .....	Zero Water Peak OS2 9/125µm
Complies with: .....	ITU-T G.652D and IEC 60793-2-50 (Type B1.3)
Mode Field Diameter @ 1310nm: .....	9.2±0.4µm
Numerical Aperture: .....	0.13
Maximum Attenuation (dB/km)	
@1310nm: .....	≤0.4
@1383nm: .....	≤0.4
@1550nm: .....	≤0.3

**50µm Enhanced Multimode fibre:**

Optical Fibre Specification: .....	OM3 (Type A1a.2) 50/125µm
Minimum Bandwidth	
OFL: .....	1500/500 MHz.km @ 850/1300nm
EMB: .....	2000/500 MHz.km @ 850/1300nm
Maximum Attenuation (dB/km)	
@850nm: .....	2.4
@1300nm: .....	0.6

**62.5µm Multimode fibre:**

Optical Fibre Specification: .....	OM1 (Type A1.b) 62.5/125µm
Minimum Bandwidth: .....	200/500 MHz.km @ 850/1300nm
Maximum Attenuation (dB/km)	
@850nm: .....	3.0
@1300nm: .....	0.7

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## Fibre Indoor Highlight CSM Cable

### Ordering Information

Description	Quantity	Product No.
LSZH Indoor Riser CSM Cable, 62.5µm Multimode, OM1	Per metre*	6462 4 433-XXYY
LSZH Indoor Riser CSM Cable, 9µm Singlemode, OS2	Per metre*	6462 4 445-XXYY
LSZH Indoor Riser CSM Cable, 50µm Enhanced Multimode, OM3	Per metre*	6462 4 472-XXYY

\* Cable supplied on 2000 metre wooden reels, or available cut-to-length as per customer order, minimum order quantities apply.

Number of cores (-XX)	04.....4 core	Jacket colour (YY)	AQ = Aqua = OM3
	06.....6		BK = Black
	08.....8		OR = Orange = OM1
	12.....12		PI = Pink
	18.....18		RD = Red
	24.....24		YL = Yellow = OS2

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