Fibre cable 96 x 9/125 OS2 LSZH indoor/outdoor G657A1

Item no.: LV0232556



PRODUCT OVERVIEW

Mainly used in data installations as backbone cabling or by long distances where large bandwidth is desired.

This cable is suitable for indoor and outdoor installations. For outdoor installations conduit have to be used.

FIRE PERFORMANCE

Single Cable Test	> 50mm unburnt cable length
Halogen Content	< 0.5% halogen content
Corrosivity of Smoke Gases	≥ 4.3 pH value
Conductivity of Smoke Gases	> 10 µS conductivity

SPECIFICATIONS

Construction	Loose Tube
Number of fibers	96
Fibre size	9µm
IOR, 1310nm	1.467
IOE, 1550nm	1.468
IOE, 1625nm	1.468
Jacket	LSZH
Tensile strength	700 N
Reaction-to-fire class	Eca
Standard	OS2 G652 A1
Meter marked	Yes
Standard	ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1
Flame resistance	IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2
Packing	4000m reel packed



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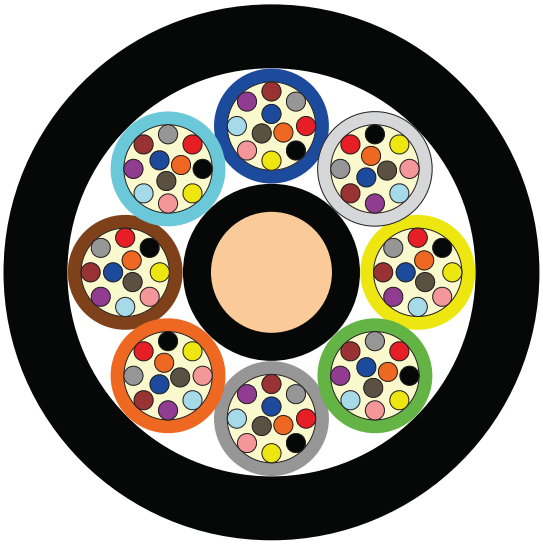
TECHNICAL

Design	8x12
Loose Tube / Filler	Ø 1.5mm
CSM	Ø 2.0mm
CSM-Oversheathing	Ø 2.6mm
Outer Sheath Thickness	1.0mm
Cable Diameter	8.2mm
Cable Weight	60 kg/km
Max. Installation Tension	1000 N
Minimum Bending Radius	Without tension 10xCable Ø
	Under Max. Tension 20xCable Ø
Temperature Range	Storage: -40°C to +70°C Installations: -30°C to +40°C Operation: -30°C to +60°C
Max. Installation Tension	-
Max. Operation Tension	130 N
Crush	350 N / 100mm, max. 15 min
Impact	2 Nm, 3 impacts, R=300 mm
Torsion	100 N, +/- 180°C, 5 cycles, 2 m
Cable Bend	R=10xD, 4 turns, 3 cycles
Temperature Cycling	-15°C to +60°C -30°C to +70°C -40°C to +70°C
Water Penetration	Sample=3m, Water column=1m



BUFFER TUBE COLOURS

No.	1	2	3	4	5	6	7	8
Colour	red	green	blue	yellow	white	grey	brown	violet

FIBRE COLOURS

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	red	green	blue	yellow	white	grey	brown	violet	turquoise	black	orange	pink

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