

Fibre cable 12 x 9/125 OS2 LSZH indoor/outdoor

Item no.: LV0232550



SPECIFICATIONS

Construction	Loose Tube
Number of fibers	12
Fibre size	9µm
IOR, 1310nm	1.467
IOE, 1550nm	1.468
IOE, 1625nm	1.468
Jacket	LSZH
Tensile strength	1000 N
Reaction-to-fire class	Eca
Standard	OS2 G652
Packing	4000m reel packed
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

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

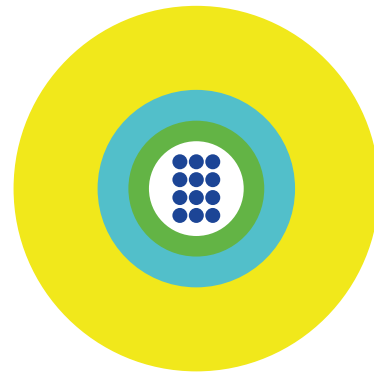
CONSTRUCTION

Strength member	Waterblocked E-Glass fibre elements
Sheath	1.0 mm yellow FireBur® sheath, UV stabilised, IEC 50290-2-27
Sheath marking	Lanview fiber optic cable indoor/outdoor LSZH jacket 12xOS2



PHYSICAL PROPERTIES

Nominal dimensions	6.0 mm
Nominal weight	40 kg/km
Maximum installation tensile strength	1000 N (fibre strain less than 1/2 of proof test level)
Short installation tensile strength	750 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	500 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	1500 N
Impact	15 Nm (no attenuation change, no broken cable elements)
Torsion	5 cycles ± 1 turn
Kink	The cables do not form a kink when a loop is drawn together to a diameter of 100 mm
Min. Bending radius, unloaded	R = 60 mm
Min. Bending radius, loaded	R = 100 mm
Temperature range	Storage: -40°C to +70°C Installations: -30°C to +40°C Operation: -30°C to +60°C
Water penetration	No water on free end
Heat of combustion	630 MJ/km = 0.18 kWh/m



FIBRE COLOUR CODE

1 Red	13 Yellow w/mark every 70 mm
2 Green	14 White w/mark every 70 mm
3 Blue	15 Grey w/mark every 70 mm
4 Yellow	16 Turquoise w/mark every 70 mm
5 White	17 Orange w/mark every 70 mm
6 Grey	18 Pink w/mark every 70 mm
7 Brown	19 Yellow w/mark every 35 mm
8 Violet	20 White w/mark every 35 mm
9 Turquoise	21 Grey w/mark every 35 mm
10 Black	22 Turquoise w/mark every 35 mm
11 Orange	23 Orange w/mark every 35 mm
12 Pink	24 Pink w/mark every 35 mm

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