



# SIGNAMAX Micro Fibre Optic Cable

This cable is suitable for FTTx and Air-Blown into Micro Ducts.

## SHEAT MARKING

Print colour white  
 Print method INK-JET  
 Print legend manufacturer's name, job number, type of cable, length marking @ 1 m intervals

## COLOUR CODE OF TUBES

1st: red, 2nd: green, rest of tubes: white, in the case of lower number of fibres some tubes are replaced by uncoloured fillers

## FIBRE COLOUR CODE

1 – red	7 – brown
2 – green	8 – violet
3 – blue	9 – turquoise
4 – yellow	10 – black
5 – white	11 – orange
6 – grey	12 – pink

According to IEC 60304.

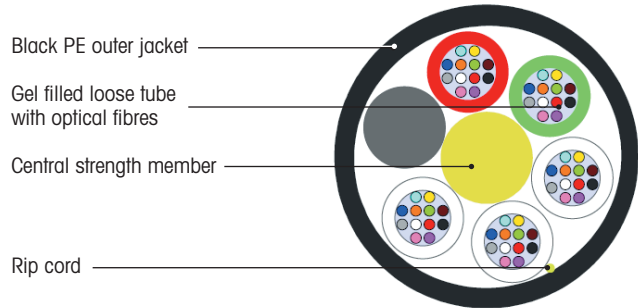
## FIBRE TYPE

### 9-125

SMF ITU-T G.657.A (AllWave-Flex)  
 SMF ITU-T G.657.B3 (AllWave-Flex)  
 SMF ITU-T G.655 C&D (TrueWave RS)  
 SMF ITU-T G.655.C&E G.656 (TrueWave Reach)  
 SMF ITU-T G.652.D (LWP)  
 SMF ITU-T G.652.D (AllWave)

## CONSTRUCTION

Loose buffer tube	material PBT, thixotropic gel filled
Fillers	PBTF natural
Central strength member	FRP dielectric central strength member (OD 1,6 mm)
Cable core	central strength member + 6 loose tubes (or fillers)
RIP-cord	1x under outer jacket
Outer jacket	HDPE – black, UV stable
Flammability	EN 50266-1, EN 50266-2-2
Acid gases	ČSN EN 50267-1, ČSN EN 50267-2-2, EN 50267-2-3
Smoke density	ČSN EN 61034-1 a ČSN EN 61034-2
Cable life time	minimum 30 years



## MECHANICAL AND ENVIRONMENTAL PROPERTIES

Max. tensile strength (installation)	*E1A	900 N
Crush resistance	*E3	1 500 N/10 cm
Impact resistance	*E4	3 impacts (w/10 N.m)
Min. bend radius (long term)	*E11A	70 mm (no load)
Min. bend radius (short term)	*E11B	60 mm (load)
Repeat bending	*E6	500 cycles (50 mm/1 kg)
Kink	*E10	50 mm
Cable stiffness	*E17	0,02149 Nm2
Torsion	*E7	10 cycles ±180°, 50 cm/5 kg 10 cycles ±360°, 50 cm/5 kg 10 cycles ±720°, 50 cm/5 kg
Moisture resistance	*F5	passed
Compound flow	*E14	30 cm / 24h/70 °C passed
Temperature range	*F1	installation: -5 °C to +50 °C operation: -25 °C to +70 °C storage: -25 °C to +70 °C
Cable informative nominal weight (calc.)		27 kg/km
Standard put-up length		2 100 m, 4 100 m
Drum size (plywood)		75,5×30×39 cm 100×64×60 cm
Loose tube nominal diameter		1,55 ±0,05 mm
Outer jacket nominal thickness		0,5 (min. 0,4) mm
Cable nominal outer diameter (calc.)		5,7 mm
Cable maximal outer diameter (calc.)		6,1 mm

\* IEC 60794-1-2

