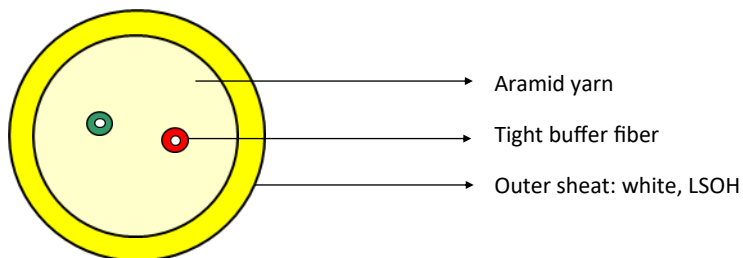


## Product Information

FTTH optical fibre all dielectric cable J-V(ZN)H type 'DROP' 650N, 2-4 G657A.1  
 single-mode optical fibres; outer sheath: LSOH; for aerial subscriber connections.

No. Card: PI\_102576X5.0B\_02.17



## Application

A outdoor, subscriber cable of a reduced bend radius for aerial applications. Intended for building FTTH networks.

## Standards

IEC 60794-3,  
 PN EN 60794-2; 2002 (U)  
 PN EN 60794-3; 2002 (U)  
 PN EN 60793-1-1; 2003 (U)  
 ISO 11801 2-ga edycja  
 PN EN 50173-1  
 PN EN 41003; 2001  
 ITUT G.657A.1

## Construction

<b>Cable construction</b>	Tight buffer cable
<b>Tube</b>	Tight buffer tube $\varnothing$ 0.9 mm
<b>Strength member</b>	Aramid yarn
<b>Cable sheath</b>	Nominal sheath thickness 0.6 mm – white LSOH

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## Mechanical properties

Property	Value
Maximum tensile strength	650N
Crush	1000N/10 cm
Temperature ranges	Operating temperature -30°C +70°C
	Installation temperature -10°C +50°C
	Storage temperature -30°C +70°C
Minimum Bending Radius	5xD
Color coding	Color <span style="background-color: red; color: white;">Red</span> <span style="background-color: green; color: white;">Green</span> <span style="background-color: blue; color: white;">BLUE</span> <span style="background-color: yellow; color: black;">YELLOW</span>

## Transmission parameters

Parameter	Value
Fiber type	G.657A.1
Attenuation for 1310 nm wave	≤ 0.35 dB/km
Attenuation for 1550 nm wave	≤ 0.22 dB/km
Attenuation for 1383 ± 3 nm wave	≤ 0.35 dB/km
Attenuation for 1625 nm wave	≤ 0.25 dB/km
Cut-off wavelength	≤ 1260 nm
$\lambda_0$ zero dispersion wavelength	1300 < $\lambda_0$ < 1324 nm
Chromatic dispersion 1285 - 1330 nm	≤ 3.5 ps/nm/km
Chromatic dispersion 1550 nm	≤ 18 ps/nm/km
Chromatic dispersion 1625 nm	≤ 22 ps/nm/km
$S_0$ zero dispersion slope	≤ 0.092 ps/nm <sup>2</sup> /km
Cladding diameter	125.0 ± 0.7 μm
Attenuation for 100 turns on a mandrel $\phi=60$ mm for 1625 nm wavelength	≤ 0.1 dB/km
Coating Diameter	245.0 ± 5 μm
Mode Field Diameter @ 1310 nm	8.6 ± 0.4 μm
Mode Field Diameter @ 1550 nm	9.3 ± 10.7 μm

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Numbers of fibers	Nominal Diameter	Nominal Weight
2F	3.6 mm	12 kg/km
4F	4.2 mm	15 kg/km

## Performance/Variants

Index	Numbers of fibers	Product description
10257615.0B	2F	FO BKT outdoor aerial FTTH "DROP" cable J-V(ZN)H 2E/125 G657A1 LSOH 650N white
10257625.0B	4F	FO BKT outdoor aerial FTTH "DROP" cable J-V(ZN)H 4E/125 G657A1 LSOH 650N white