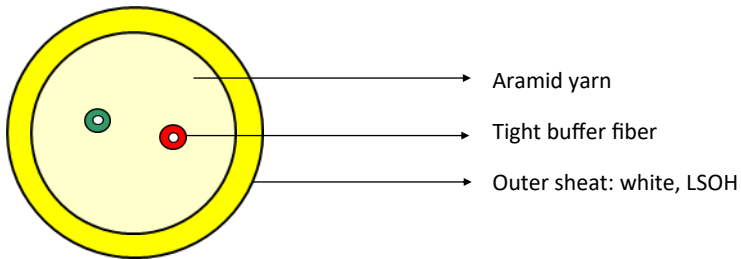


Product Information

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

Cable construction	Tight buffer cable
Tube	Tight buffer tube \varnothing 0.9 mm
Strength member	Aramid yarn
Cable sheath	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 Red Green BLUE YELLOW

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
λ_0 zero dispersion wavelength	1300 < λ_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 ² /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