

Indoor FTTH Cable E9/125µm G.657.A2



Features & Benefits

- Compact oval cable with a diameter of 2.0 x 2.4 mm
- Halogen-free material and CPR rated according to B2_{ca} s1 d0 a1
- Fast and easy access to fibres through aramid ripcord
- High tensile strength for pulling through micro-channels
- White sheath for discreet installation in living areas



Overview

PPC Easy-Pull cable is designed specifically for deployment inside buildings to connect the BEP (Building Entry Point) with OTOs (Optical Termination Point) in the living area. With one central FRP (fiber reinforced plastic) strength member and surrounding aramid yarns, the easy-pull cable has a high tensile strength making it suitable for pulling through micro-ducts within the building.

The cable is constructed from zero halogen material with a CPR rating classification of B2_{ca}-S1,d0,a1. The aramid yarns within the cable can also be used as a rip-cord so as to provide fast access to the internal fibers in splicing applications.

Standards

Temperature	Tensile strength	Crush Resistance	Impact Resistance
IEC 60794-1-2 F1	IEC 60794-1-2 E1	IEC 60794-1-2 E3	IEC 60794-1-2 E4
Repetitive Bending	Torsion	Bending	
IEC 60794-1-2 E6	IEC 60794-1-2 E7	IEC 60794-1-2 E11	
Halogen-free, non-corrosive gases	Flame Retardant	Minimum Smoke Emission	
IEC 60754-1/-2, EN 50267-1-2/-2-2, VDE0482-267-2-1/-2-2	IEC 60332-1-2, EN 60332-1-2, VDE0482-332-2-1	IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2)	

Environmental Data

Installation Temperature	Service Temperature	Storage Temperature
°C	°C	°C
-20 ~ +60	-40 ~ +80	-40 ~ +85

Mechanical Data

Sheath Material (inside/outside)	CPR Rating	Sheath Colour	Colour Code
LSZH	B2 _{ca} s1 d0 a1	white	Red - Green - Blue - Yellow

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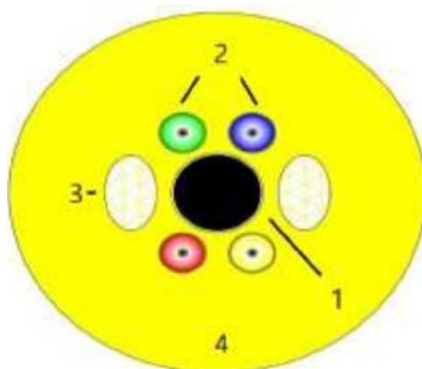
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Fiber Count	Cable Diameter	Weight
	<i>mm</i>	<i>kg/km</i>
1, 2, 4	2,0x2,4	1, 2 = 4,5; 4 = 5,0

Bend Radius		Allowed tension		Allowed crush	
In service	Max tensile load	In service	During installation	Long term	Short term
<i>mm</i>			<i>N</i>	<i>N/dm</i>	
10	40	100	250	1000	2000

Cable Structure



1. Central strength element (FRP)
2. Up to 4 fibers 250µm
3. Aramid yarn (rip cord)
4. LSZH jacket

Ordering Information

Description	Part Number
Indoor FTTH Cable 1E9/125µm G.657.A2 LSOH white (RAL 9010)	862048001-WS
Indoor FTTH Cable 2E9/125µm G.657.A2 LSOH white (RAL 9010)	862048002-WS
Indoor FTTH Cable 4E9/125µm G.657.A2 LSOH white (RAL 9010)	862048004-WS