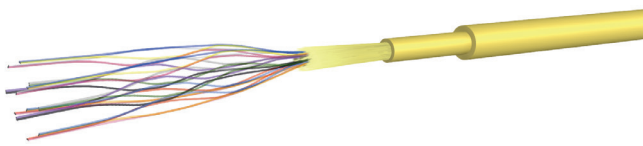


## PRODUCT OVERVIEW



### Description

#### 24-2x12E9A2R/(ZN)HH-...30#B

- Metal free indoor cable with OptiRibbon Fibres
- Strain relieved with aramide yarn
- Tube can be stripped up to 1m in one piece
- Fast splicing due to ribbon fibre technology
- Low smoke, halogen free and self-extinguishing

### Available Types

Fibre count: 2x12 Ribbon Fibres

#### Type of Fibre

E9/125A2 according to IEC 60793-2-50 Typ B6\_a2 + ITU G.657.A2

#### Standard Colours

Fibre: According to colour code  
Jacket (outer): E9A2:YE (Yellow)

### Technical Data

#### Construction

Description / Material	Size	Options / Notice
24 Optical fibre	250 µm	Fibre type, colour
Reinforcement / aramide yarn		
1 Fibre bundle cable	3.0 mm	Colour, inscription
2 Reinforcement / aramide yarn		
Outer jacket LSFH	4.9 mm	Colour, inscription

## Mechanical Data

Characteristics	Conditions	Tested acc. to	Values
Weight			32 kg/km
Tensile strength	During installation In service	IEC 60794-1-21 E1	500 N 200 N
Minimal bending radius	During installation In service	IEC 60794-1-21 E11	20 mm 20 mm
Crush resistance	Short-term Long-term	IEC 60794-1-21 E3	2000 N/dm 100 N/dm
Impact resistance	Wp = 0.5 J	IEC 60794-1-21 E4	50 impacts
Kink resistance	Radius 10 mm	IEC 60794-1-21 E10	Passed

## Environmental Data

Characteristics	Conditions	Tested acc. to	Values
Temperature range	During installation In service In storage	IEC 60794-1-22 F1	-5 °C up to +50°C -5 °C up to +70°C -25 °C up to +70°C
Fire load			0.7 MJ/m
Fire propagation	On a vertical single cable	IEC 60332-1-2	Passed
Fire Test: smoke density	Jacket material	IEC 61034-2	Passed
Fire Test: halogen acid gas	Jacket material	IEC 60754-1	Halogen free
Fire Test: degree of acidity	Jacket material	IEC 60754-2	Passed
2011/65/EC (RoHS – including 2015/863 and 2017/2102)			Compliant
EU No 305/2011 (CPR)		EN50575	B2ca-s1a,d0,a1

Specification for singlemode at 1550nm, for multimode at 1300nm