

# FTTH simplex indoor cables



### Properties

- Metal free indoor cable
- Strain relief with aramide yarn
- Tube can be stripped up to 1 m in one piece
- For direct connector assembly
- Tight bending radii
- Low smoke, halogen free and non-corrosive
- Jacket material according to UL94V-0

### Applications

- Data cable in distribution network - FTTH
- Installation in indoor areas
- For horizontal and collapsed backbone cabling

### Design

|                 |                   |
|-----------------|-------------------|
| Cable design    | 1 semi-tight tube |
| Strain relief   | aramide yarn      |
| Jacket material | LSFH™             |
| Jacket colour   | white/grey        |

According to IEC 60794-1-2

### Ordering information

|                      |
|----------------------|
| 01-E9A2/CWJH...27-FG |
|----------------------|

Please see page 153.

# FTTH simplex indoor cables

| Specification  |       |     |  |
|----------------|-------|-----|--|
| Jacket Ø       | mm    | 2.7 |  |
| Tube Ø         | mm    | 0.9 |  |
| Approx. weight | kg/km | 7.0 |  |

| Mechanical properties          |                     |         |      |                   |
|--------------------------------|---------------------|---------|------|-------------------|
| Tensile strength               | during installation | N       | 400  | IEC 60794-1-2 E1  |
|                                | in service          | N       | 200  |                   |
| Min. bend radius <sup>1)</sup> | during installation | mm      | 50   | IEC 60794-1-2 E11 |
|                                | in service          | mm      | 25   |                   |
| Crush resistance               | short-term          | N/dm    | 7000 | IEC 60794-1-2 E3  |
|                                | long-term           | N/dm    | 5000 |                   |
| Impact resistance              | Wp = 1.0 J          | impacts | 20   | IEC 60794-1-2 E4  |
| Repeated bending               | r = 25 mm           | cycles  | 5000 | IEC 60794-1-2 E6  |

| Thermal properties |                     |    |            |                    |
|--------------------|---------------------|----|------------|--------------------|
| Temperature range  | during installation | °C | -10 to +50 | IEC 60794-1-22 F12 |
|                    | in service          | °C | -25 to +70 |                    |
|                    | in storage          | °C | -25 to +70 |                    |

| Combustion properties  |                            |      |                 |
|------------------------|----------------------------|------|-----------------|
| Fire load              |                            | MJ/m | 0.17            |
| Fire propagation       | on a vertical single cable |      | p               |
|                        | on a vertical cable bundle |      | p               |
| Halogen acid gas       | jacket material            |      | p               |
| Degree of acidity      | jacket material            |      | p               |
| 2011/65/EC (RoHS)      |                            |      | compliant       |
| (EU) No 305/2011 (CPR) |                            |      | Dca-s1a, d0, a1 |

p = passed

<sup>1)</sup> Smaller bending radius are possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 BendOptimized.