DATA SHEET

Fiber Optic Cables

# Duplex Round 2x0.6mm Tight Tube LSFH Ø 2.1mm Dca

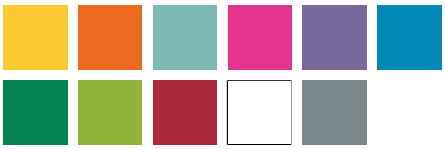
02-.../V(ZN)H-...21#D

## Properties

- Metal free indoor cable
- Strain relieved with aramide yarn
- Tight bending radii
- High flexibility
- Low smoke, halogen free and self-extinguishing
- Cable with improved fire performance
- Jacket material according to UL 94V-0



Jacket colour



| Construction | | |
|---|---|---|
| Fiber | Quantity: up to | 2 |
| Tube | Quantity | 2 pcs |
| | Diameter | 0.6 mm |
| Strain relief | Type | aramide yarn |
| Outer jacket | Material | LSFH |
| | Diameter | 2.1mm |

| Environmental data | | |
|---|---|---|
| CPR class | Standard | EN 50575:2014+A1:2016 |
| | Class | Dca-s1a,d0,a1 |
| Temperature | Standard | IEC 60794-1-2 F1 |
| | During installation | -10 °C ... 50 °C |
| | In service | -25 °C ... 70 °C |
| | In storage | -25 °C ... 70 °C |
| Flame propagation | Standard<br>Condition | IEC 60332-1-2<br>On a vertical single cable |
| | Standard<br>Condition | IEC 60332-3-25<br>On a vertical cable bundle |
| Fire characteristics | Standard<br>Condition<br>Characteristics | IEC 61034-2<br>Cable<br>Smoke density |
| | Standard<br>Condition<br>Characteristics | IEC 60754-1<br>Jacket material<br>Halogen acid gas |



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| Environmental data | | |
|---|---|---|
| | Standard<br>Condition<br>Characteristics | IEC 60754-2<br>Jacket material<br>Degree of acidity |

| Mechanical data | | |
|---|---|---|
| Weight | | approx. 4.3 g/m |
| Tensile strength | Standard | IEC 60794-1-2 E1 |
| | During installation | 200 N |
| | In service | 100 N |
| Min. bending radius | Standard | IEC 60794-1-2 E11 |
| | During installation | 10 mm |
| | In service | 15 mm |
| Crush resistance | Standard<br>During installation<br>In service | IEC 60794-1-2 E3<br>5000 N/dm<br>900 N/dm |
| Kink resistance | Standard<br>Radius | IEC 60794-1-2 E10<br>3 mm |

| Colours | |
|---|---|
| Fiber | According to colour code |
| Tube | Transparent |
| Standard outer jacket colours | Yellow |
| | Orange |
| | Turquoise |
| | Heather violet |
| | Violet |
| | Light Blue |
| | Green |
| | Lime-Green |
| | Red |
| | White |
| | Grey |

| Type of fiber | |
|---|---|
| **Fiber type** | **Fiber standard** |
| E9/125 | according to IEC 60793-2-50 B-652.D + ITU-T G.652.D |
| G50/125-OM3 | according to IEC 60793-2-10 A1-OM3b |
| G50/125-OM4 | according to IEC 60793-2-10 A1-OM4b |
| E9/125A2 | according to IEC 60793-2-50 B-657.A2 + ITU-T G.657.A2 |
| G50/125-OM5 | according to IEC 60793-2-10 A1-OM5b |
| G62,5/125-OM1 | according to IEC 60793-2-10 A1-OM1 |
| G50/125-OM2 | according to IEC 60793-2-10 A1-OM2b + ITU-T G.651.1 |

**Fiber colour code**

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H+S Standard | Red | Green | Yellow | Blue | White | Violet | Orange | Black | Grey | Brown | Heather violet | Turquoise |
| DIN | Red | Green | Blue | Yellow | White | Grey | Brown | Violet | Turquoise | Black | Orange | Heather violet |
| TIA | Blue | Orange | Green | Brown | Grey | White | Red | Black | Yellow | Violet | Heather violet | Turquoise |
| IEC | Blue | Yellow | Red | White | Green | Violet | Orange | Grey | Turquoise | Black | Brown | Heather violet |

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