

Duplex cables figure 0



Properties

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Tight bending radii
- Low fire load for high safety requirements
- Jacket material according to UL 94V-0
- Halogen free and non-corrosive fire gases

Applications

- Installation in indoor area
- Patch cable in distribution centres
- Data cable in distribution networks
- Ideal for applications involving safety requirements in case of fire



Design

| | | |
|-----------------|---|----------------|
| Tube | 2 simplex cables with semi-tight tubes 0.9 mm 2 simplex cables with tight tubes 0.6 mm | |
| Strain relief | aramide yarn | |
| Jacket material | LSFH™ | |
| Tube colour | E9 | yellow |
| | G50 - OM2 | orange |
| | G50 - OM3 | turquoise |
| | G50 - OM4 | heather violet |
| | G50 - OM5 | lime green |
| | G62.5 - OM1 | orange |

According to IEC 60794-1-2

Ordering information

| |
|--------------------|
| 02-.../VJH-A...14 |
| 02-.../CWJH-A...20 |
| 02-.../CWJH-A...27 |

Please see page 147.

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| Specification | | | | | |
|---------------------------------|-------|-----------|----------------|----------------|--|
| Jacket Ø | mm | 2.3 × 3.7 | 3.1 × 5.2 | 3.5 × 6.2 | |
| Single fiber cable Ø | mm | 1.4 | 2.0 | 2.7 | |
| Tube Ø | mm | 0.6 tight | 0.9 semi-tight | 0.9 semi-tight | |
| Channel marking on single cable | | numbered | numbered | coloured | |
| Approx. weight | kg/km | 9.4 | 13.7 | 24 | |

| Mechanical properties | | | | | | |
|--------------------------------|----------------------------|---------|---------|---------|---------|-------------------|
| Tensile strength | during installation | N | 300 | 800 | 800 | IEC 60794-1-2 E1 |
| | in service | N | 2 × 100 | 2 × 200 | 2 × 200 | |
| Min. bend radius ¹⁾ | during installation | mm | 25 | 50 | 50 | IEC 60794-1-2 E11 |
| | in service | mm | 25 | 25 | 25 | |
| Crush resistance | short-term | N/dm | 9000 | 7000 | 10 000 | IEC 60794-1-2 E3 |
| | long-term | N/dm | 4000 | 5000 | 5000 | |
| Impact resistance | Wp = 1.0 J | impacts | 50 | 20 | 20 | IEC 60794-1-2 E4 |
| Repeated bending | r = 25 mm, weight = 0.5 kg | cycles | 10 000 | 10 000 | 10 000 | IEC 60794-1-2 E6 |

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

| Combustion properties | | | | | |
|------------------------|----------------------------|------|----------------|------|------|
| Fire load | | MJ/m | 0.22 | 0.33 | 0.45 |
| Fire propagation | on a vertical single cable | | p | p | p |
| | on a vertical cable bundle | | p | p | p |
| Halogen acid gas | jacket material | | p | p | p |
| Degree of acidity | jacket material | | p | p | p |
| 2011/65/EC (RoHS) | | | compliant | | |
| (EU) No 305/2011 (CPR) | | | Dcas1a, d0, a1 | | |

p = passed

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