



SIMPLEX, DUPLEX AND BREAKOUT CABLE

The cables can be used as patch cable, pigtails or for the connection of buildings. They have got a strain relief made of aramid yarn, a non-halogen outer coating (LSZH) and are suitable for direct assembly of connectors. Two simplex cables that are connected via a middle flange, are called „Zipcord“ - or „Figure 8“-cable (easily separable). If higher stability and strength is required, two simplex cables can be assembled with an additional outer coating. These cables are called „Figure 0“ or „FlatTwin“.

1

| Type | Description | Standards | | Application |
|----------------------------|----------------------------|---|-------------------|---------------------------|
| | IV(ZN)H1 | IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2 | | Interior area |
| Cable structure | No of fibers | Cable core | Cable coating | Colour of coating |
| | 1 | - | Non-halogen, FRNC | Depending on fiber |
| Thermal characteristics | Transport / storage | Laying | Operation | |
| | -25 °C – +70 °C | -5 °C – +50 °C | -10 °C – +70 °C | |
| Mechanical characteristics | Min. bending radius static | Min. bending radius dynamic | Max. traction | Max. compressive strength |
| | 30 mm | 60 mm | 200 – 400 N | 100 – 150 N/dm |

2

| Type | Description | Standards | | Application |
|----------------------------|----------------------------|---|-------------------|---------------------------|
| | IV(ZN)H2 | IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2 | | Interior area |
| Cable structure | No of fibers | Cable core | Cable coating | Colour of coating |
| | 2 | - | Non-halogen, FRNC | Depending on fiber |
| Thermal characteristics | Transport / storage | Laying | Operation | |
| | -25 °C – +70 °C | -5 °C – +50 °C | -10 °C – +70 °C | |
| Mechanical characteristics | Min. bending radius static | Min. bending radius dynamic | Max. traction | Max. compressive strength |
| | 30 mm | 60 mm | 400 – 600 N | 200 – 600 N/dm |

3

| Type | Description | Standards | | Application |
|----------------------------|----------------------------|---|-------------------|---------------------------|
| | IV(ZN)HH2 | IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2 | | Interior area |
| Cable structure | No of fibers | Cable core | Cable coating | Colour of coating |
| | 2 | - | Non-halogen, FRNC | Depending on fiber |
| Thermal characteristics | Transport / storage | Laying | Operation | |
| | -25 °C – +70 °C | -5 °C – +50 °C | -10 °C – +70 °C | |
| Mechanical characteristics | Min. bending radius static | Min. bending radius dynamic | Max. traction | Max. compressive strength |
| | 35 mm | 65 mm | 400 – 600 N | 400 – 600 N/dm |

4

| Type | Description | Standards | | Application |
|----------------------------|----------------------------|---|-------------------|---------------------------|
| | IV(ZN)HH[N] | IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2 | | Interior area |
| Cable structure | No of fibers | Cable core | Cable coating | Colour of coating |
| | 4 - 18 | Versilte Einzelelemente | Non-halogen, FRNC | Depending on fiber |
| Thermal characteristics | Transport / storage | Laying | Operation | |
| | -25 °C – +70 °C | -5 °C – +50 °C | -10 °C – +70 °C | |
| Mechanical characteristics | Min. bending radius static | Min. bending radius dynamic | Max. traction | Max. compressive strength |
| | 60 – 130 mm | 85 – 200 mm | 600 – 1200 N | 800 N/dm |