

# Simplex Cable

ID: **16x1, 17x1, 11x1, 12x1, 2026,**  
**14X1, 15X1, 2174, 18X1, 19X1,**  
**13X1**

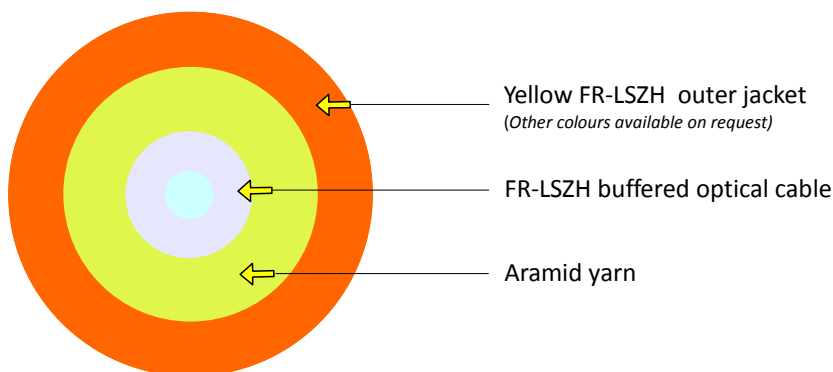


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30.1.2020 ver. 11

## J-V(ZN)H

This cable is suitable for indoor use.



### Buffer

|          |                              |
|----------|------------------------------|
| Tight    | Strip up to 10cm (xxTx)      |
| Free     | Strip more than 100cm (xxfx) |
| Colour   | 1.White                      |
| Material | FR-LSZH                      |

Other buffer colours available on request.

### Outer jacket

|                 |            |        |
|-----------------|------------|--------|
| Jacket material | FR-LSZH    |        |
| Jacket colour   | SM 9/125   | Yellow |
|                 | MM 50/125  | Green  |
|                 | MM62,5/125 | Orange |

Other jacket colours available on request

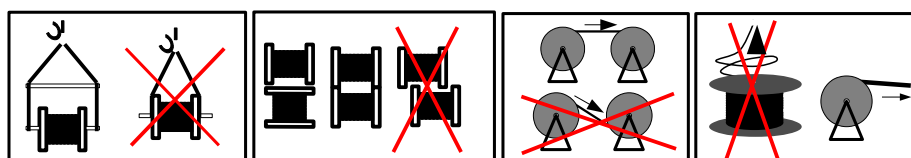
### Sheat Marking

|              |                                                                                |
|--------------|--------------------------------------------------------------------------------|
| Print colour | White                                                                          |
| Print method | INK-Jet                                                                        |
| Print legend | Manufacturer's name, job number, type of cable, length marking @ 1 m intervals |

Other print legends available on request

### Packing

Depending on ordered put-up lengths



## J-V(ZN)H

### Mechanical and Environmental properties

| Test                               | Code                            | Value                                     | Unit  | Method                   |
|------------------------------------|---------------------------------|-------------------------------------------|-------|--------------------------|
| Cable outer diameter               | 16x1                            | 1,6 ± 0,1                                 | mm    | EN 60811-203             |
|                                    | 17x1                            | 1,7 ± 0,1                                 |       |                          |
|                                    | 11x1                            | 1,8 ± 0,1                                 |       |                          |
|                                    | 12x1                            | 2,0 ± 0,1                                 |       |                          |
|                                    | Z026                            | 2,3 ± 0,1                                 |       |                          |
|                                    | 14x1                            | 2,4 ± 0,1                                 |       |                          |
|                                    | 15x1                            | 2,5 ± 0,1                                 |       |                          |
|                                    | Z174                            | 2,6 ± 0,1                                 |       |                          |
|                                    | 18x1                            | 2,8 ± 0,1                                 |       |                          |
|                                    | 19x1                            | 2,9 ± 0,1                                 |       |                          |
|                                    | 13x1                            | 3,0 ± 0,1                                 |       |                          |
| Cable weight                       | 16x1                            | 2,8                                       | kg/km |                          |
|                                    | 17x1                            | 3,2                                       |       |                          |
|                                    | 11x1                            | 3,7                                       |       |                          |
|                                    | 12x1                            | 4,6                                       |       |                          |
|                                    | Z026                            | 6,6                                       |       |                          |
|                                    | 14x1                            | 7,1                                       |       |                          |
|                                    | 15x1                            | 7,3                                       |       |                          |
|                                    | Z174; 18x1                      | 8,2                                       |       |                          |
|                                    | 19x1                            | 8,5                                       |       |                          |
|                                    |                                 | 13x1                                      |       |                          |
| Outer jacket thickness             | 16x1                            | 0,25                                      | mm    |                          |
|                                    | 17x1                            | 0,30                                      |       |                          |
|                                    | 11x1                            | 0,35                                      |       |                          |
|                                    | 12x1                            | 0,45                                      |       |                          |
|                                    | Z026; 15x1;<br>18x1;19x1; 13x1  | 0,60                                      |       |                          |
|                                    | 14x1                            | 0,65                                      |       |                          |
| Secondary coating material         |                                 | FR-LSZH                                   |       |                          |
| Secondary coating diameter         |                                 | 0,9                                       | mm    |                          |
| Max. tensile strength              | 16x1; 17x1;<br>11x1; 12x1       | 100                                       | N     | EN 60794-1-21-E1         |
|                                    | Z026; 14x1                      | 250                                       |       |                          |
|                                    | Z174; 18x1;<br>19x1; 13x1; 15x1 | 300                                       |       |                          |
|                                    |                                 |                                           |       |                          |
| Crush resistance test              |                                 | 500                                       | N     | EN 60794-1-21-E3         |
| Impact resistance test             |                                 | 5                                         | Nm    | EN 60794-1-21-E4         |
| Min. bend radius                   |                                 | 10                                        | × OD  | EN 60794-1-21-E11a       |
|                                    |                                 | 15                                        | × OD  | EN 60794-1-21-E11b       |
| Temperature range                  |                                 | -5 to +50°C<br>-5 to +50°C<br>-5 to +50°C |       | EN 60794-1-22-F1         |
| Fire properties – Flammability     |                                 | pass                                      |       | EN60332-3-22 (cat.A)     |
| Fire properties – Acid gases       |                                 | pass                                      |       | EN 60754-1<br>EN 60754-2 |
| Fire properties – Smoke density    |                                 | pass                                      |       | EN 61034-1<br>EN 61034-2 |
| Cable life time - minimum 30 years |                                 |                                           |       |                          |