

## R795820 Mini-breakout-cable-12-OM4, Magenta

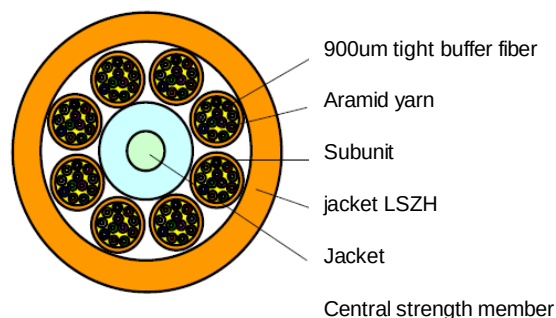
### Application

Backbone in LAN's  
Indoor /outdoor in ducts  
Internal wiring/Fan-outs

### Construction

### General

This specification covers a series of cables with 48 to 144 fibers.  
The cable fulfills the fire performance test of IEC332-3C.



### Construction Data

|                             |                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|
| Tight buffer fiber Diameter | 900±50µm                                                                                                        |
| Tight buffered fiber color  | 1. White 2. Blue 3. Orange 4. Green 5. Brown 6. Grey<br>7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Aqual |
| Core reinforce              | Aramid yarn                                                                                                     |
| Subunit color code          | The units have sequential numbering printed on the surface for identification                                   |
| Central strength member     | All dielectric                                                                                                  |
| Out jacket material         | LSZH                                                                                                            |

### Technical Data-Physical

|                     |                |                |                |                |                |                |
|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Fiber count         | 48             | 60             | 72             | 96             | 108            | 144            |
| Cable diameter(mm)  | 14.8±0.5       | 16.1±0.5       | 17.5±0.5       | 20.7±0.5       | 22.3±0.5       | 24.8±0.5       |
| Cable weight(kg/km) | approx.<br>170 | approx.<br>207 | approx.<br>254 | approx.<br>366 | approx.<br>432 | approx.<br>451 |
| Temperature rating  | -20°C~+60°C    |                |                |                |                |                |
| Operation           |                |                |                |                |                |                |
| Storage             |                |                |                |                |                |                |

### Technical Data-Mechanical

|                                                                   |               |
|-------------------------------------------------------------------|---------------|
| Max. loading(IEC794-<br>1) Installation<br>Operation              | 1320N<br>400N |
| Min bend radius(IEC794-<br>1) Installation (mm)<br>Operation (mm) | 20×D<br>10×D  |
| Crush resistance(IEC794-1)                                        | 1000N/100mm   |

### Technical Data-Transmission

| Fiber type | Attenuation |         |            |         | OFL<br>bandwidth | Effective<br>modal<br>bandwidth | 10 Gigabit<br>Ethernet<br>SX | Min bend<br>radius |
|------------|-------------|---------|------------|---------|------------------|---------------------------------|------------------------------|--------------------|
| Conditions | 1310/1550nm |         | 850/1300nm |         | 850/1300<br>n m  | 850nm                           | 850nm                        | /                  |
|            | Typical     | Maximum | Typical    | Maximum |                  |                                 |                              |                    |
| Unit       | dB/km       | dB/km   | dB/km      | dB/km   | MHZ.km           | MHZ.km                          | m                            | mm                 |
| G652D      | 0.36/0.22   | 0.5/0.4 | ---        | ---     | ---              | ---                             | ---                          | 16                 |
| G657A1     | 0.36/0.22   | 0.5/0.4 | ---        | ---     | ---              | ---                             | ---                          | 10                 |
| G657A2     | 0.36/0.22   | 0.5/0.4 | ---        | ---     | ---              | ---                             | ---                          | 7.5                |
| 50/125     | ---         | ---     | 3.0/1.0    | 3.5/1.5 | ≥500/500         | ---                             | ---                          | 30                 |
| 62.5/125   | ---         | ---     | 3.0/1.0    | 3.5/1.5 | ≥200/500         | ---                             | ---                          | 30                 |
| OM3        | ---         | ---     | 3.0/1.0    | 3.5/1.5 | ≥1500/500        | ≥2000                           | ≤300                         | 30                 |
| OM4        | ---         | ---     | 3.0/1.0    | 3.5/1.5 | ≥3500/500        | ≥4700                           | ≤550                         | 30                 |
| BI-OM3     | ---         | ---     | 3.0/1.0    | 3.5/1.5 | ≥1500/500        | ≥2000                           | ≤300                         | 7.5                |
| BI-OM4     | ---         | ---     | 3.0/1.0    | 3.5/1.5 | ≥3500/500        | ≥4700                           | ≤550                         | 7.5                |