

# BRUclean<sup>®</sup> 600

3\_2\_5\_1

**Fibre optic cable with stranded loose tubes  
Non-metallic glass yarn strength members**

LLK-SGnD(Q1.5G2YD)  
A-DQ(ZN)B2Y

**Construction**

- PE outer sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

**Description**

- Up to 12 stranded loose tubes with up to 288 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Enhanced rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath
- Suitable for blowing into pipe systems

**Application**

- Outdoors
- Laying directly in the ground

**Temperature range**

Operating temperature: -40° ... +70°C  
Storage temperature: -40° ... +70°C  
Installation temperature: -10° ... +50°C

**Jacket colour**

Black with orange stripes similar to RAL 9005/2003  
Other colours on request

**Standards**

Additional Information see "Used standards" 3\_0\_9  
CPR fire reaction class Fca

**Remarks**

This cable is available with different fibre types, see data sheets Optical Fibres.  
Fibre and tube colours see "Colour codes/ properties" 3\_0\_3.  
Special labelling of outer sheath on request



**Technical data**

| Type     | No of fibres (max.) | Cable ø mm | Weight kg/km | Max. tensile strength short term N | Max. tensile strength long term N |
|----------|---------------------|------------|--------------|------------------------------------|-----------------------------------|
| SG 5D25  | 60                  | 12.8       | 135          | 8000                               | 6000                              |
| SG 6D25  | 72                  | 13.3       | 155          | 8000                               | 6000                              |
| SG 8D25  | 96                  | 14.7       | 190          | 8000                               | 6000                              |
| SG 10D25 | 120                 | 16.3       | 225          | 8000                               | 6000                              |
| SG 12D25 | 144                 | 17.9       | 270          | 8000                               | 6000                              |

| Type     | Min. bending radius with tensile mm | Min. bending radius without tensile mm | Max. crush resistance N/cm |
|----------|-------------------------------------|--|----------------------------|
| SG 5D25  | 20xD                                | 15xD                                   | 300                        |
| SG 6D25  | 20xD                                | 15xD                                   | 300                        |
| SG 8D25  | 20xD                                | 15xD                                   | 300                        |
| SG 10D25 | 20xD                                | 15xD                                   | 300                        |
| SG 12D25 | 20xD                                | 15xD                                   | 300                        |

