

## BRUclean<sup>®</sup> 900 12x24

3\_2\_4\_2

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

### Construction

- PE outer sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- FRP 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

LLK-SGnD(Q2G2YD)  
A-DQ(ZN)B2Y



### 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 5D30  | 120                 | 14.5       | 210          | 11000                              | 9000                              |
| SG 6D30  | 144                 | 15.3       | 230          | 11000                              | 9000                              |
| SG 8D30  | 192                 | 16.7       | 250          | 11000                              | 9000                              |
| SG 10D30 | 240                 | 18.4       | 280          | 11000                              | 9000                              |
| SG 12D30 | 288                 | 20.5       | 330          | 11000                              | 9000                              |

| Type     | Min. bending radius with tensile mm | Min. bending radius without tensile mm | Max. crush resistance N/cm |
|----------|-------------------------------------|----------------------------------------|----------------------------|
| SG 5D30  | 20xD                                | 15xD                                   | 300                        |
| SG 6D30  | 20xD                                | 15xD                                   | 300                        |
| SG 8D30  | 20xD                                | 15xD                                   | 300                        |
| SG 10D30 | 20xD                                | 15xD                                   | 300                        |
| SG 12D30 | 20xD                                | 15xD                                   | 300                        |

