

# 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

