

BRUclean[®] 300

3_2_3_1

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

LLK-SGnD(QG2YD)
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
- 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	11.9	115	5000	3000
SG 6D25	72	12.5	135	5000	3000
SG 8D25	96	14.0	175	5000	3000
SG 10D25	120	15.7	210	5000	3000
SG 12D25	144	17.3	250	5000	3000

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

