

BRUclean[®] 300+W, corrugated

3_4_7_1

Fibre optic cable with stranded loose tubes - armoured

Glass yarn strength members, corrugated steel tape for higher mechanical and chemical resistance

Construction

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

Description

- Up to 12 stranded loose tubes with up to 240 fibres
- High permissible tensile strength
- Very high crush resistance
- Longitudinally and laterally watertight
- Excellent 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: ±0° ... +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

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(QG2YDW2YD)
A-DQ(ZN)B2YW2Y



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	16.8	300	7100	5700
SG 6D25	72	17.8	320	7100	5700
SG 8D25	96	19.9	360	7100	5700
SG 10D25	120	22.4	410	7100	5700
SG 12D25	144	22.4	470	7100	5700

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D25	20xD	15xD	450
SG 6D25	20xD	15xD	450
SG 8D25	20xD	15xD	450
SG 10D25	20xD	15xD	450
SG 12D25	20xD	15xD	450

