

BRUniversal 900

3_9_4_1

Universal fibre optic cable with stranded loose tube

Longitudinally watertight in combination with a halogen-free and flame-retardant sheath

Construction

- FRNC 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
- Suitable for blowing into pipe systems
- Enhanced rodent protection
- Compact design, high flexibility
- Robust sheath
- Halogen-free and flame-retardant cable sheath

Application

- Indoors and outdoors

Temperature range

Operating temperature: -40° ... +70°C
 Storage temperature: -40° ... +70°C
 Installation temperature: ±0° ... +50°C

Jacket colour

Green similar to RAL 6018
 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(Q2GH)
 J/A-DQ(ZN)BH



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	Combustion energy MJ/m
SG 5D25	60	13.8	210	11000	9000	3.1
SG 6D25	72	14.3	230	11000	9000	3.4
SG 8D25	96	15.6	270	11000	9000	4.3
SG 10D25	120	17.1	350	11000	9000	5.2
SG 12D25	144	20.2	430	11000	9000	6.2

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

Subject to change without notice

