

# BRUniversal 150

3\_9\_1

**Universal fibre optic cable with central loose tube  
Longitudinally watertight in combination with a  
halogen-free and flame-retardant sheath**

**Temperature range**

Operating temperature: -20° ... +60°C  
Storage temperature: -20° ... +70°C  
Installation temperature: ±0° ... +50°C

LLK-D(QGH)  
J/A-DQ(ZN)BH

**Construction**

- FRNC outer sheath
- Glass yarns with water-blocking tape
- Gel-filled loose tube
- Fibres with primary coating

**Jacket colour**

Green similar to RAL 6018  
Other colours on request

**Description**

- Central loose tube with up to 24 fibres
- High permissible tensile strength
- Longitudinally and laterally watertight
- Rodent protection
- Compact design, high flexibility, small bending radius
- Robust sheath
- Halogen-free and flame-retardant cable sheath

**Standards**

Additional Information see "Used standards" 3\_0\_9  
CPR fire reaction class Eca

**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



**Application**

- Indoors and outdoors

**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
1D25	12	8.5	65	2000	1500	1.0
1D30	24	8.8	70	2000	1500	1.4

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
1D25	20xD	15xD	300
1D30	20xD	15xD	200

