



VR2 SERIES

**100%
MADE IN
GERMANY**

PROPERTIES

- Resistance to:** Ultraviolet rays, ozone, mineral oils, fuels, salts, alkalis, alcohol, hydrocarbons, ketones, ether, termites and radioactive rays*
- Flame resistance:** UL94 5VA (IEC 60695-11-20)
UL94 V-0 (IEC 60695-11-10)
IEC 61914 following IEC 60695-11-5
Classification following DIN 5510, part 2 Flammability class: S3
- Thermal expansion:** 0.01% per 10°C temperature increase
- Tensile strength:** 120 N/mm²
- Flexural strength:** 210 N/mm²

TEMPERATURE RANGE

- Ambient temperature:** down to -60°C*
- Continuous operation:** up to 120°C
- Permitted short-term heating:** up to 220°C
- Operation life:** more than 45 years of maintenance- and failure-free operation

MATERIAL

High-grade polyamide, fibreglass-reinforced, coloured black, with special UV protection, fully recyclable, self-extinguishing, low-smoke, zero halogen (LSZH), non-toxic, non-corrosive, non-metallic, non-magnetic, silicone free

Applications:

For variable fastening of single- and multi-core cables. Universal application indoors and outdoors between -60°C and +120°C. Parallel and stacked formation. For vertical fastening of VPE cables we recommend the use of Elastic Inlays.*

Outer diameter of cables:

12 mm to 45 mm**

Dynamic resistance to short circuits:

10000 N

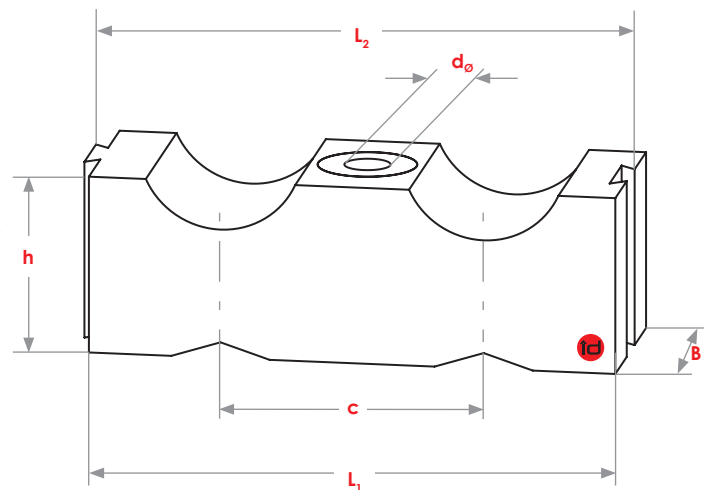
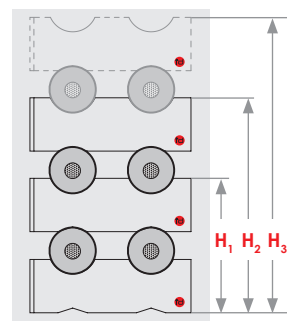
Axial retention:

400 N

Tightening Torque for fixing material:

Lowest bottom part: 20 Nm
All other parts: 8 Nm

Mounting example



Dimensions for cable outer diameter 21-45 mm.

Dimensions in mm

Type	D _ø	L ₁	L ₂	B	h	H ₁	H ₂₊	H ₃₊	c	d _ø	Screw thread
VR2 12-45	12-45	149	153	53	51	105-130	159-209	213-288	75	13	M 12

D_ø: Outer cable diameter

* For more information contact id-Technik, please.

** Contact id-Technik for diameter 12-21 mm, please.

*** Contact id-Technik for trailing cables (EPDM, rubber, etc.), please.