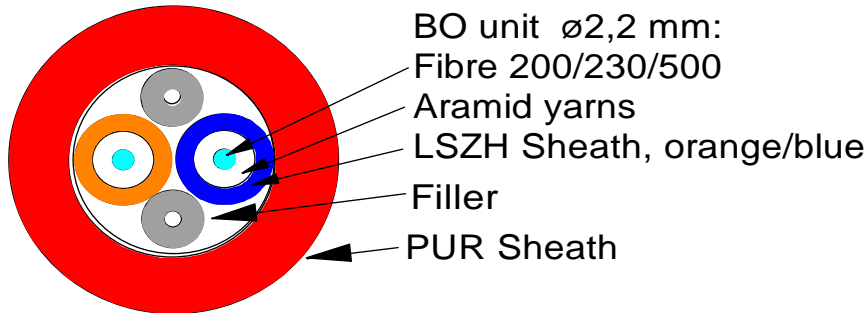


Cable for industrial use with PUR sheath

Flexible cable with two 200/230 µm step index multi mode fibres



TYPICAL APPLICATIONS

- Laser power delivery
- Medium distance communications
- Factory automation
- Avionics communications
- Wind turbines
- Near-IR spectroscopy

KEY FEATURES

- Robust tear resistant PUR sheath
- Very flexible construction
- Very high numerical aperture for easy fitting of connectors.
- 2 BO – units
- Medium tensile strength

GENERAL

This cable is a very flexible and robust cable for industrial use. It contains two break-out units ø2.2 mm, each with a large core step index multi mode fibre. Designation according to DIN/VDE: I-VH11Y 2K200/230

Cable properties

Nominal weight	50 kg/km
Nominal diameter	7.0 mm
Temperature range	Operation: -20 °C – 70 °C Installation: -20 °C – 70 °C Storage: -40 °C – 70 °C
Tensile strength	During installation: 450 N During operation: 225 N
Minimum bending radius	During installation: 60 mm Installed (fixed without tension): 45 mm
Torsion	±180° 500 times per 2 m, ± 360° 5 times per 2 m

Fibre properties

Applicable fibre standard	IEC 60793-2-A3d
Core diameter	200 ± 4 µm
Cladding diameter	230 +1 – 10 µm
Buffer diameter	500 ± 30 µm
Core/cladding offset	≤ 5 µm
Numerical aperture	0.37
Bandwidth @ 850 nm	≥ 20 MHz km
Attenuation @ 850 nm (cabled)	≤ 8 dB/km
Proof test level	≥ 75 kpsi (16.3 N)
Core	Pure silica glass
Cladding	Fluoroacrylate