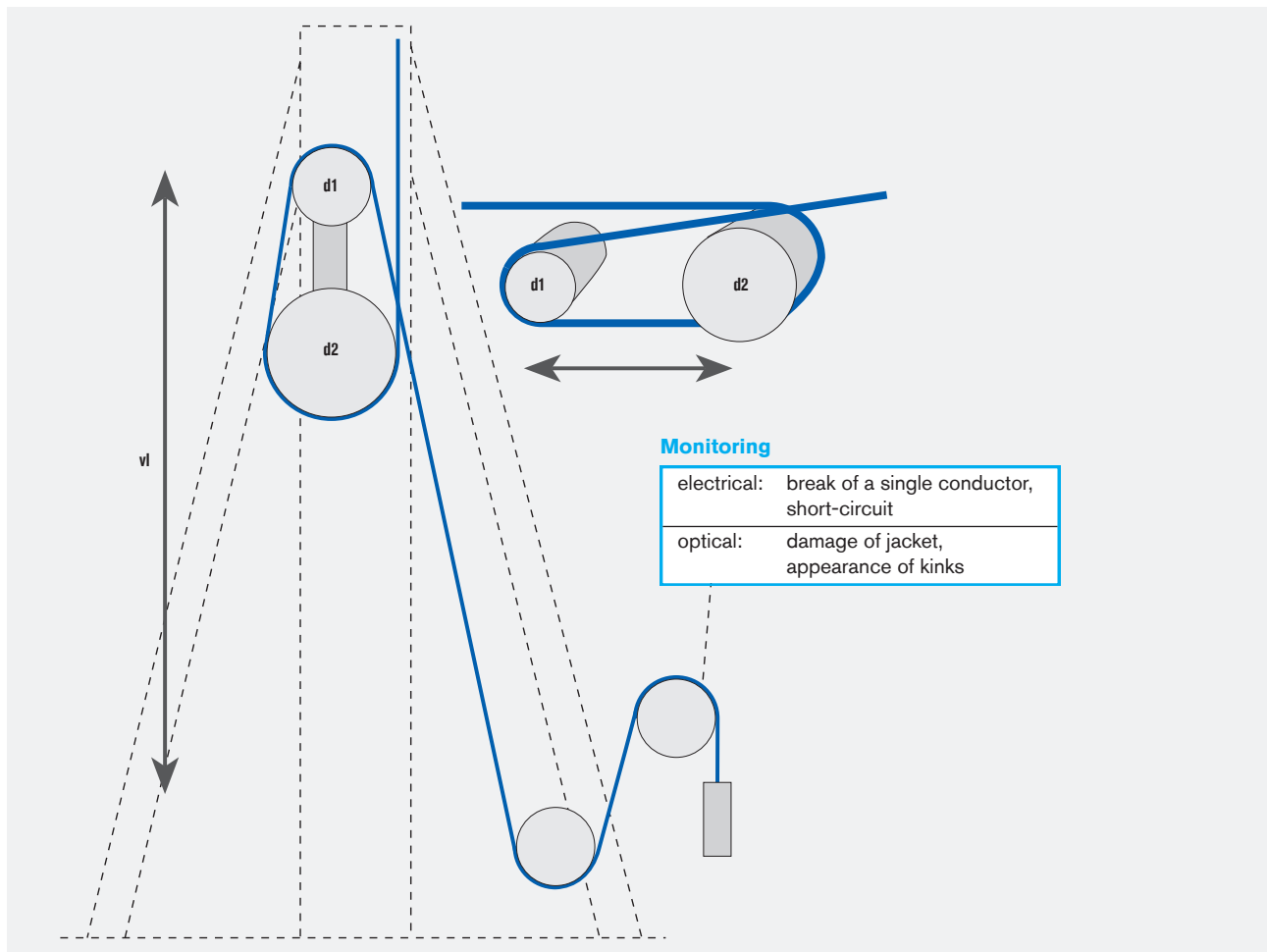


# Cable tests

## Test of service life for cable chain cables

### schematic view



### Test parameter

Acceleration:	5.5 m/s <sup>2</sup>	Speed:	0,8 m/s	Load:	variable
Travel vl:	1400 mm	No. of bendings:	12 per min	Roll-Ø d1:	variable
Cable length in motion:	2800 mm	Bending radius:	variable	Roll-Ø d2:	variable

### Test findings

	S 200 (12 x 1,0 mm <sup>2</sup> )	S 90 (12 x 1,0 mm <sup>2</sup> )	S 86 (12 x 1,0 mm <sup>2</sup> )
Bending radius during test	4,3 x d	3,6 x d	3,5 x d
Travel	1,9 m	1,9 m	1,9 m
Acceleration	40 m/s <sup>2</sup>	40 m/s <sup>2</sup>	40 m/s <sup>2</sup>
Temperature during test	+10 °C up to +22 °C	+10 °C up to +22 °C	+10 °C up to +22 °C
Speed	1,4 m/s	1,4 m/s	1,4 m/s
Dimension	10,4 mm	12,5 mm	12,9 mm
Roll diameter d1	90 mm	90 mm	90 mm
Roll diameter d2	125 mm	125 mm	125 mm
No. of bendings	17.438.485	2.929.730	2.508.904