

CONFIX™ WS cable protection conduits

for cables without connectors



RoHS
compliant

REACH
COMPLIANCE

Made in
Germany

Parallel corrugated conduits for cable routing are used where cables have to be protected from mechanical damage or certain weather conditions.

icotek provides conduits in sizes NW 7.5, 8.5, 10, 13, 17, 23, 29, 37, and 50.

Conduits from size NW 13 can be mounted with [CONFIX™ FWS bulkhead fittings](#).

Parallel corrugated conduits are available in 3 different versions:

- CONFIX™ WS-PA: Polyamide conduit for high mechanical requirements (e.g. engine compartments, car bodies, construction machines, ship building, rail transportation technology, switch cabinets).
→ Suitable for ground installation
- CONFIX™ WS-PAL (light): Polyamide conduit for high mechanical requirements
→ Suitable for suspended installation
- CONFIX™ WS-PP: Polypropylene conduit for use in engine compartments, car bodies and for static installation at machinery and plant engineering.
→ Cost-effective, flame class UL94-V2, temperature resistant, resistant to chemicals

Note: PU = Ring length (m)

Specifications

| | |
|------------------------------|---|
| Material | Polyamide Polypropylene |
| Flame class | UL94-HB |
| Operating temperature | -40 C° to 120 C° |
| Properties | UV-resistant, high resistance against acids/alkalis, halogen free |

Advantages & benefits

- CONFIX™ WS-PA: Perfect for ground installation
- CONFIX™ WS-PA(L): Suitable for high mechanical requirements
- CONFIX™ WS-PAL: Perfect for suspended installation
- CONFIX™ WS-PP: High flame class UL94-V2
- CONFIX™ WS-PP: High resistance against extreme temperatures and chemicals

Product types & sizes

CONFIX™ WS-B-PA-NW 7.5



| | | | |
|-------------------|-------------------|-------------------|---------------|
| Part No. | 31570 | Internal diameter | 6,7 mm |
| EAN | 4251269300 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 7.5 | | |
| External diameter | 10 mm | | |

CONFIX™ WS-G-PA-NW 7.5



| | | | |
|-------------------|------------------------|----------|---------------|
| Part No. | 31550 | Internal | 6,7 mm |
| EAN | 4251269300 | diameter | |
| | 448 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 7.5 | | |
| External diameter | 10 mm | | |

CONFIX™ WS-B-PA-NW 8.5



| | | | |
|-------------------|-------------------|----------|---------------|
| Part No. | 31572 | Internal | 8,4 mm |
| EAN | 4251269300 | diameter | |
| | 547 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 8.5 | | |
| External diameter | 11,4 mm | | |

CONFIX™ WS-G-PA-NW 8.5



| | | | |
|-------------------|------------------------|----------|---------------|
| Part No. | 31552 | Internal | 8,4 mm |
| EAN | 4251269300 | diameter | |
| | 455 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 8.5 | | |
| External diameter | 11,4 mm | | |

CONFIX™ WS-B-PA-NW 10

| | | | |
|-------------------|-------------------|----------|---------------|
| Part No. | 31574 | Internal | 9,9 mm |
| EAN | 4251269300 | diameter | |
| | 554 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 10 | | |
| External diameter | 13 mm | | |

CONFIX™ WS-G-PA-NW 10

| | | | |
|-------------------|------------------------|----------|---------------|
| Part No. | 31554 | Internal | 9,9 mm |
| EAN | 4251269300 | diameter | |
| | 462 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 10 | | |
| External diameter | 13 mm | | |

CONFIX™ WS-B-PA-NW 13

| | | | |
|-------------------|-------------------|--------------|----------------|
| Part No. | 31576 | Internal | 12,7 mm |
| EAN | 4251269300 | diameter | |
| | 561 | Compatible | 31410 |
| Package quantity | 1 | with CONFIX™ | |
| | | FWS | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 13 | | |
| External diameter | 15,8 mm | | |

CONFIX™ WS-G-PA-NW 13

| | | | |
|-------------------|------------------------|-----------------------------|----------------|
| Part No. | 31556 | Internal diameter | 12,7 mm |
| EAN | 4251269300479 | Compatible with CONFIX™ FWS | 31411 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 13 | | |
| External diameter | 15,8 mm | | |

CONFIX™ WS-B-PA-NW 17

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31578 | Internal diameter | 16,6 mm |
| EAN | 4251269300578 | Compatible with CONFIX™ FWS | 31413 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 17 | | |
| External diameter | 21,2 mm | | |

CONFIX™ WS-G-PA-NW 17

| | | | |
|-------------------|------------------------|-----------------------------|----------------|
| Part No. | 31558 | Internal diameter | 16,6 mm |
| EAN | 4251269300486 | Compatible with CONFIX™ FWS | 31414 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 17 | | |
| External diameter | 21,2 mm | | |

CONFiX™ WS-B-PA-NW 23

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31580 | Internal diameter | 23,2 mm |
| EAN | 4251269300585 | Compatible with CONFiX™ FWS | 31416 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 23 | | |
| External diameter | 28,3 mm | | |

CONFiX™ WS-G-PA-NW 23

| | | | |
|-------------------|------------------------|-----------------------------|----------------|
| Part No. | 31560 | Internal diameter | 23,2 mm |
| EAN | 4251269300493 | Compatible with CONFiX™ FWS | 31417 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 23 | | |
| External diameter | 28,3 mm | | |

CONFiX™ WS-B-PA-NW 29

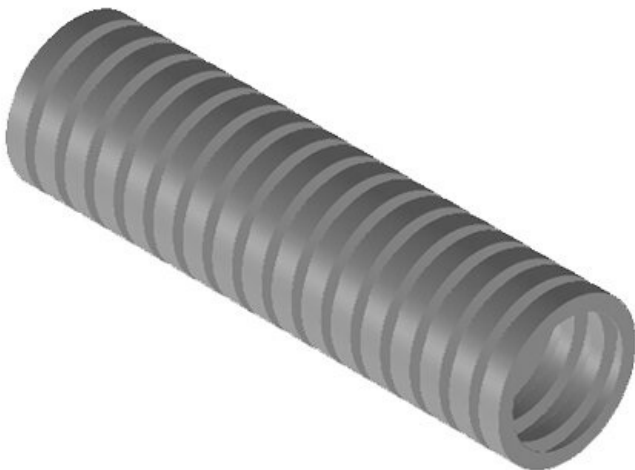
| | | | |
|-------------------|----------------------|-----------------------------|--------------|
| Part No. | 31582 | Internal diameter | 29 mm |
| EAN | 4251269300592 | Compatible with CONFiX™ FWS | 31419 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 29 | | |
| External diameter | 34,5 mm | | |

CONFIX™ WS-G-PA-NW 29

| | | | |
|-------------------|------------------------|-----------------------------|--------------|
| Part No. | 31562 | Internal diameter | 29 mm |
| EAN | 4251269300509 | Compatible with CONFIX™ FWS | 31420 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 29 | | |
| External diameter | 34,5 mm | | |

CONFIX™ WS-B-PA-NW 37

| | | | |
|-------------------|----------------------|-----------------------------|--------------|
| Part No. | 31584 | Internal diameter | 36 mm |
| EAN | 4251269300608 | Compatible with CONFIX™ FWS | 31422 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 37 | | |
| External diameter | 42,4 mm | | |

CONFIX™ WS-G-PA-NW 37

| | | | |
|-------------------|------------------------|-----------------------------|--------------|
| Part No. | 31564 | Internal diameter | 36 mm |
| EAN | 4251269300516 | Compatible with CONFIX™ FWS | 31423 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 37 | | |
| External diameter | 42,4 mm | | |

CONFIX™ WS-B-PA-NW 50

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31586 | Internal diameter | 47,7 mm |
| EAN | 4251269300615 | Compatible with CONFIX™ FWS | 31425 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 50 | | |
| External diameter | 54,5 mm | | |

CONFIX™ WS-G-PA-NW 50

| | | | |
|-------------------|------------------------|-----------------------------|----------------|
| Part No. | 31566 | Internal diameter | 47,7 mm |
| EAN | 4251269300523 | Compatible with CONFIX™ FWS | 31426 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | grey (RAL 7011) | | |
| Nominal size | NW 50 | | |
| External diameter | 54,5 mm | | |

CONFIX™ WS-B-PAL-NW 7.5

| | | | |
|-------------------|----------------------|-------------------|---------------|
| Part No. | 31590 | Internal diameter | 6,7 mm |
| EAN | 4251269300622 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 7.5 | | |
| External diameter | 10 mm | | |

CONFIX™ WS-B-PAL-NW 8.5

| | | | |
|-------------------|-------------------|----------|---------------|
| Part No. | 31592 | Internal | 8,4 mm |
| EAN | 4251269300 | diameter | |
| | 639 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 8.5 | | |
| External diameter | 11,4 mm | | |

CONFIX™ WS-B-PAL-NW 10

| | | | |
|-------------------|-------------------|----------|---------------|
| Part No. | 31594 | Internal | 9,9 mm |
| EAN | 4251269300 | diameter | |
| | 646 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 10 | | |
| External diameter | 13 mm | | |

CONFIX™ WS-B-PAL-NW 13

| | | | |
|-------------------|-------------------|--------------|----------------|
| Part No. | 31596 | Internal | 12,7 mm |
| EAN | 4251269300 | diameter | |
| | 653 | Compatible | 31410 |
| Package quantity | 1 | with CONFIX™ | |
| | | FWS | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 13 | | |
| External diameter | 15,8 mm | | |

CONFIX™ WS-B-PAL-NW 17

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31598 | Internal diameter | 16,6 mm |
| EAN | 4251269300660 | Compatible with CONFIX™ FWS | 31413 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 17 | | |
| External diameter | 21,2 mm | | |

CONFIX™ WS-B-PAL-NW 23

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31600 | Internal diameter | 23,2 mm |
| EAN | 4251269300677 | Compatible with CONFIX™ FWS | 31416 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 23 | | |
| External diameter | 28,3 mm | | |

CONFIX™ WS-B-PAL-NW 29

| | | | |
|-------------------|----------------------|-----------------------------|--------------|
| Part No. | 31602 | Internal diameter | 29 mm |
| EAN | 4251269300684 | Compatible with CONFIX™ FWS | 31419 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 29 | | |
| External diameter | 34,5 mm | | |

CONFiX™ WS-B-PAL-NW 37

| | | | |
|-------------------|----------------------|-----------------------------|--------------|
| Part No. | 31604 | Internal diameter | 36 mm |
| EAN | 4251269300691 | Compatible with CONFiX™ FWS | 31422 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 37 | | |
| External diameter | 42,4 mm | | |

CONFiX™ WS-B-PAL-NW 50

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31606 | Internal diameter | 47,7 mm |
| EAN | 4251269300707 | Compatible with CONFiX™ FWS | 31425 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 50 | | |
| External diameter | 54,4 mm | | |

CONFiX™ WS-B-PP-NW 7.5

| | | | |
|-------------------|----------------------|-------------------|---------------|
| Part No. | 31610 | Internal diameter | 7,1 mm |
| EAN | 4251269300714 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 7.5 | | |
| External diameter | 10 mm | | |

CONFIX™ WS-B-PP-NW 8.5

| | | | |
|-------------------|-------------------|----------|---------------|
| Part No. | 31612 | Internal | 8,4 mm |
| EAN | 4251269300 | diameter | |
| | 721 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 8.5 | | |
| External diameter | 11,4 mm | | |

CONFIX™ WS-B-PP-NW 10

| | | | |
|-------------------|-------------------|----------|---------------|
| Part No. | 31614 | Internal | 9,9 mm |
| EAN | 4251269300 | diameter | |
| | 738 | | |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 10 | | |
| External diameter | 13 mm | | |

CONFIX™ WS-B-PP-NW 13

| | | | |
|-------------------|-------------------|--------------|----------------|
| Part No. | 31616 | Internal | 12,7 mm |
| EAN | 4251269300 | diameter | |
| | 745 | Compatible | 31410 |
| Package quantity | 1 | with CONFIX™ | |
| | | FWS | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 13 | | |
| External diameter | 15,8 mm | | |

CONFiX™ WS-B-PP-NW 17

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31618 | Internal diameter | 16,6 mm |
| EAN | 4251269300752 | Compatible with CONFiX™ FWS | 31413 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 17 | | |
| External diameter | 21,2 mm | | |

CONFiX™ WS-B-PP-NW 23

| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31620 | Internal diameter | 23,2 mm |
| EAN | 4251269300769 | Compatible with CONFiX™ FWS | 31416 |
| Package quantity | 1 | | |
| Length | 50.000 mm | | |
| Colour | black | | |
| Nominal size | NW 23 | | |
| External diameter | 28,3 mm | | |

CONFiX™ WS-B-PP-NW 29

| | | | |
|-------------------|----------------------|-----------------------------|--------------|
| Part No. | 31622 | Internal diameter | 29 mm |
| EAN | 4251269300776 | Compatible with CONFiX™ FWS | 31419 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 29 | | |
| External diameter | 34,5 mm | | |

CONFIX™ WS-B-PP-NW 37



| | | | |
|-------------------|----------------------|-----------------------------|--------------|
| Part No. | 31624 | Internal diameter | 36 mm |
| EAN | 4251269300783 | Compatible with CONFiX™ FWS | 31422 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 37 | | |
| External diameter | 42,4 mm | | |

CONFIX™ WS-B-PP-NW 50



| | | | |
|-------------------|----------------------|-----------------------------|----------------|
| Part No. | 31626 | Internal diameter | 47,7 mm |
| EAN | 4251269300790 | Compatible with CONFiX™ FWS | 31425 |
| Package quantity | 1 | | |
| Length | 25.000 mm | | |
| Colour | black | | |
| Nominal size | NW 50 | | |
| External diameter | 54,5 mm | | |