

## RADOX OFL STRIPPING AND BREAKOUT RECOMMENDATIONS FOR NORWAY

Product group: RADOX OFL 150/250V offshore instrumentation cables  
Manufacturer: Huber + Suhner AG, Switzerland  
Norwegian partner: BARTEC AS, Stavanger

RADOX OFL is the innovation in Instrumentation cabling for the Offshore market. RADOX OFL is replacing the standard RFOU/BFOUs and give huge benefits such as approx. half the weight and size, much better bending radius and a faster installation.


For you as an installer, the main benefits are:

- RADOX OFL has no inner (white) bedding, so you don't have to remove it after stripping the outer sheath.
- The outer dimensions of the RADOX OFL are much more accurate than any BFOU. This means you can use more accurate tools (see page 3 and 4) and save time. The gland you have selected will also fit every time because of the accuracy. No more rework!
- The tinned copper cores/conductors are totally round and there will be no residue from the mica-tape when stripping with a quality tool (time saving).


*Difference 1pair 0,75(i) BFOU (grey) and RADOX OFL (blue)*



## Recommended stripping tool for cores


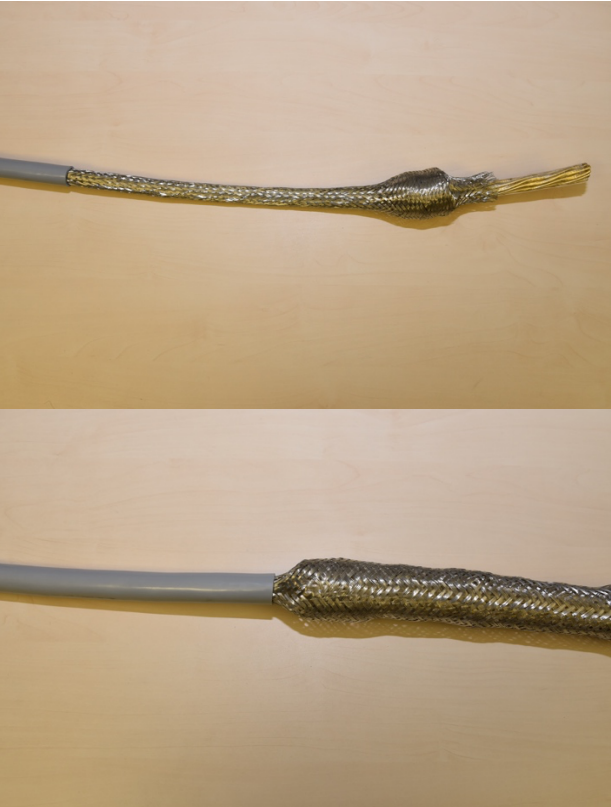
	<p>With many (inaccurate) tools, residue of the mica-tape can be found after stripping the cores. This residue must be removed on fire resistant versions of RADOX and BFOU.</p> <p>To avoid this, we recommend this very accurate tool from RENNSTEIG, especially made for cables with harder compound and extremely low variation of thickness on the cores. The blades are designed for 50.000 cuts and are replaceable.</p> <p>H+S and BARTEC Art.no. 85226585 (buy from Bartec) for cross-sections 0.75 and 1.5mm<sup>2</sup>.</p>
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## Recommended stripping tool for outer sheath

	<p>We have tested the ABIKO TOR 4,5 - 40mm. Experiment to set the correct depth on the knife and comfortably strip up to two meters. Weidmüller and Knipex have similar tools.</p> <p>Instructions:  <a href="https://www.youtube.com/watch?v=fvyab1NBBdk">https://www.youtube.com/watch?v=fvyab1NBBdk</a></p> <p>Alternatively we recommend the COSSONAY cable knife with flattened tip for round and longitudinal cuts:  <a href="https://www.shop-traub.com/cossonay-kabelmesser-mit-abgeplatteter-spitze.html">https://www.shop-traub.com/cossonay-kabelmesser-mit-abgeplatteter-spitze.html</a></p>
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This procedure applies to all RADOX OFL cables from 1 – 24 pair/triples, and is according to NORSOK I-001. The RADOX cables do not have an inner bedding to make the safety distance ("skritt"), so the installer should take a little more care with the heat gun when making the safety distance.

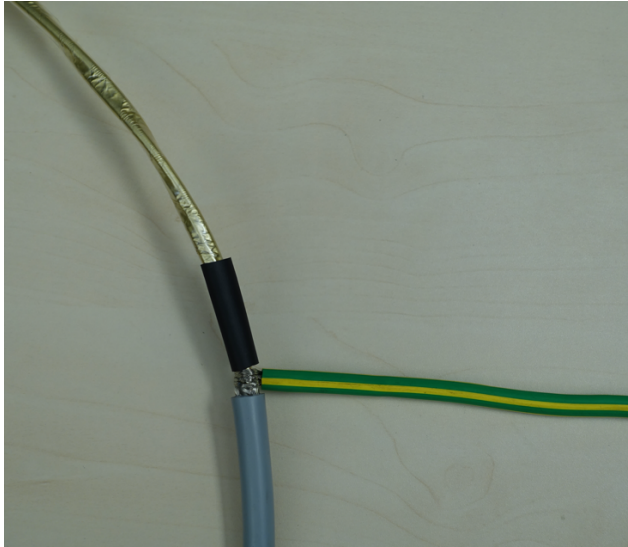
	<ol style="list-style-type: none"><li>1. Remove the outer sheath to your required length using the stripping knife</li></ol>
	<ol style="list-style-type: none"><li>2. Pull back the braid and create a hole as close as possible at the end of the sheath</li></ol>



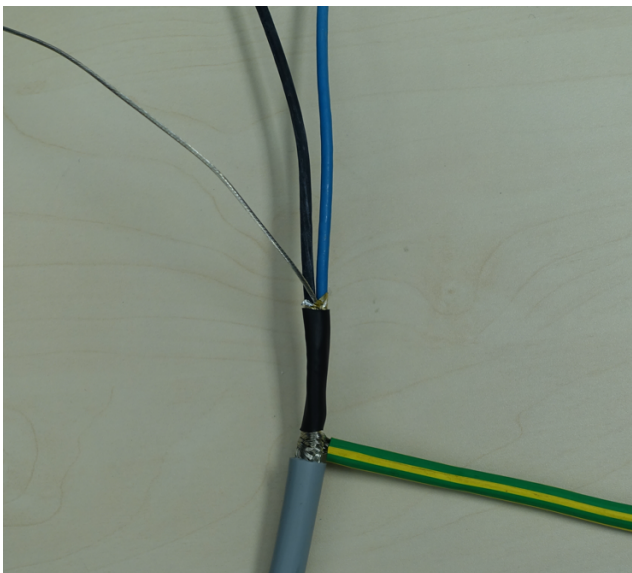
3. Pull the inner bundle through the hole. This procedure can be done with ALL RADOX cables from 1 – 24pair/triples



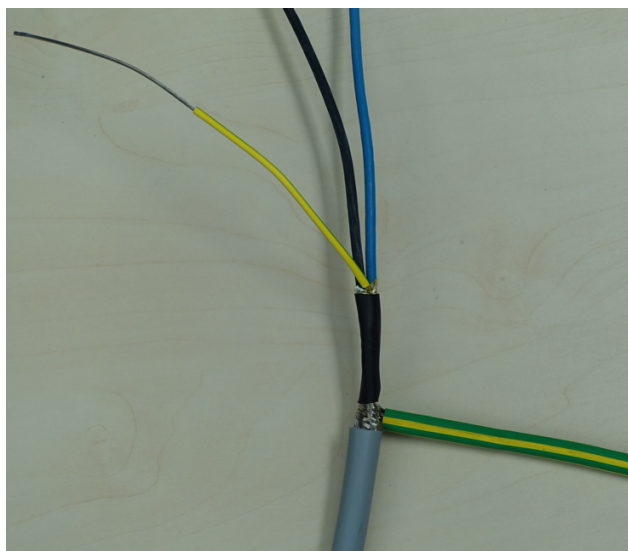
4. Bundle and twist the braid to have a stronger "wire"



5. Use a heat-shrink/tape to make the safety distance ("skritt").
6. Install the G/Y heat shrink over the pigtail (screen)



7. Remove all polyester and the aluminum tape for each pair/triple fully down to the "skritt".



8. Install the G/Y heat shrink over all drain wires



9. Use an extra heat shrink/tape over the "skritt". Done!

The pictures show only a one pair. With cables with multi pairs/triples, please use this method on each pair/triple.

Questions? Please contact Product Manager for offshore cables in BARTEC AS, Stein Øien, phone +47 92251363 or e-mail [stein.oien@bartec.no](mailto:stein.oien@bartec.no)