

February 2012



Cable **Termination** Manual

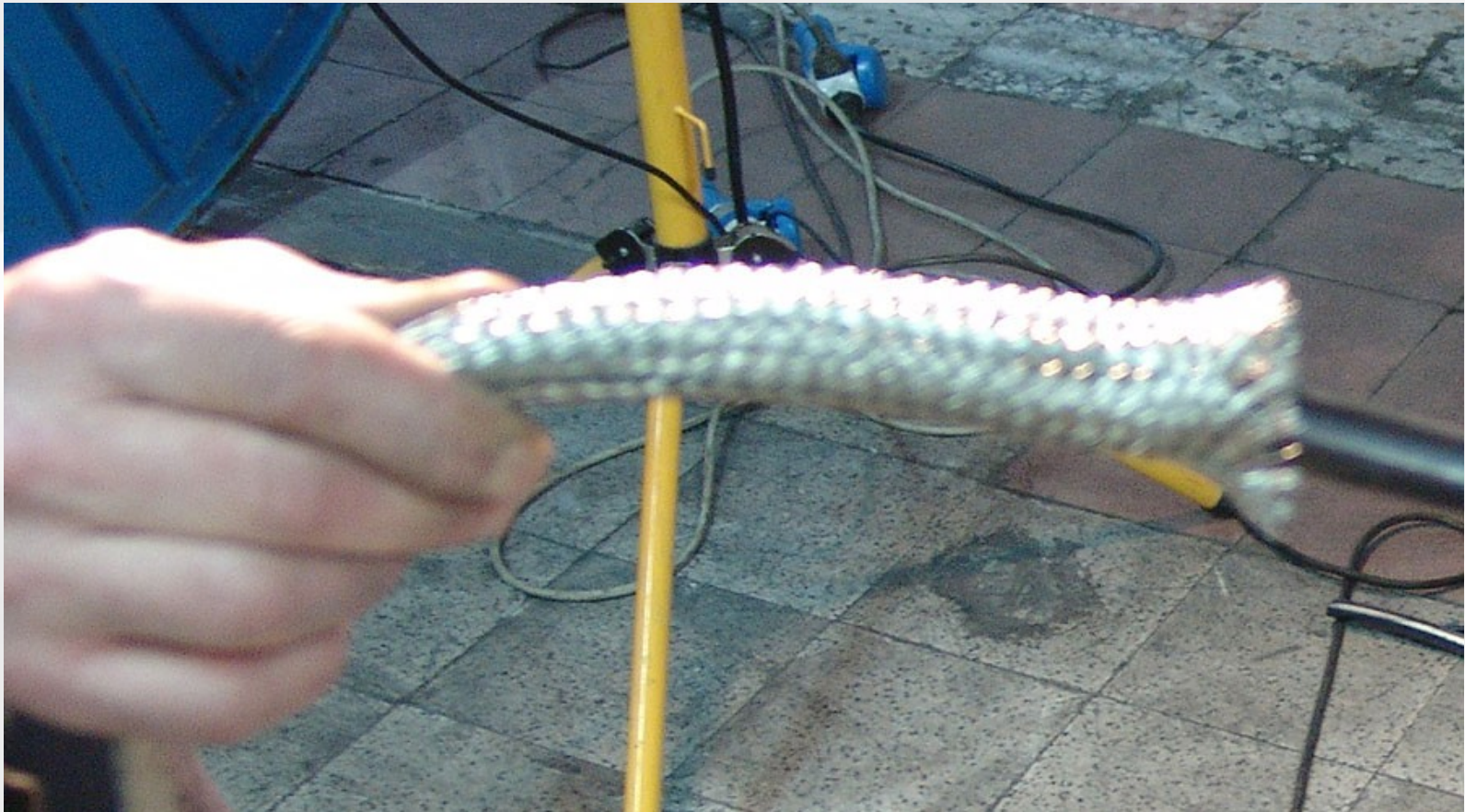
Cables for a moving world

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Phases

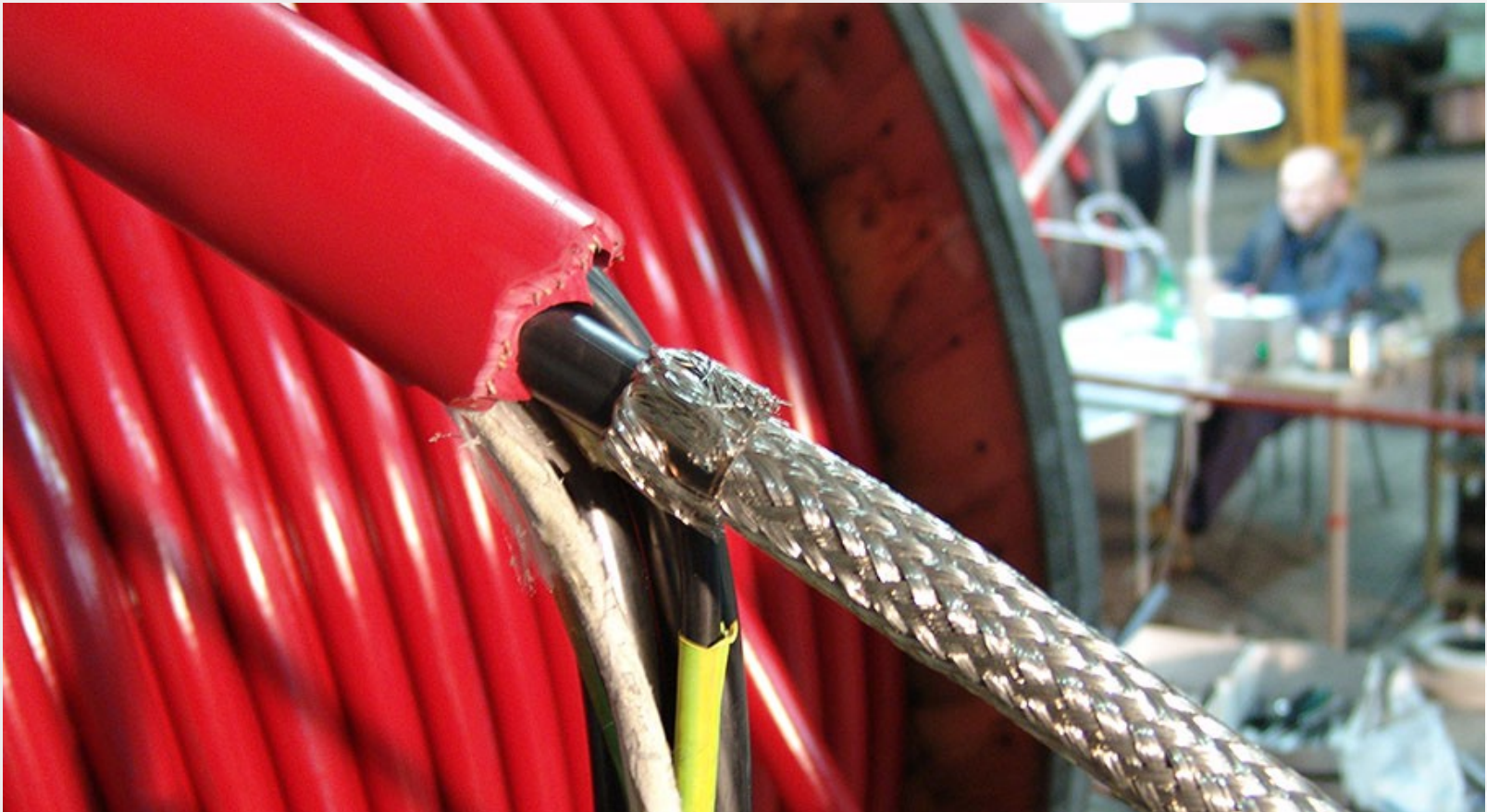


Phases 1



Application of tinned copper braid in contact with the external semiconductor of the Phase.

Phases 2



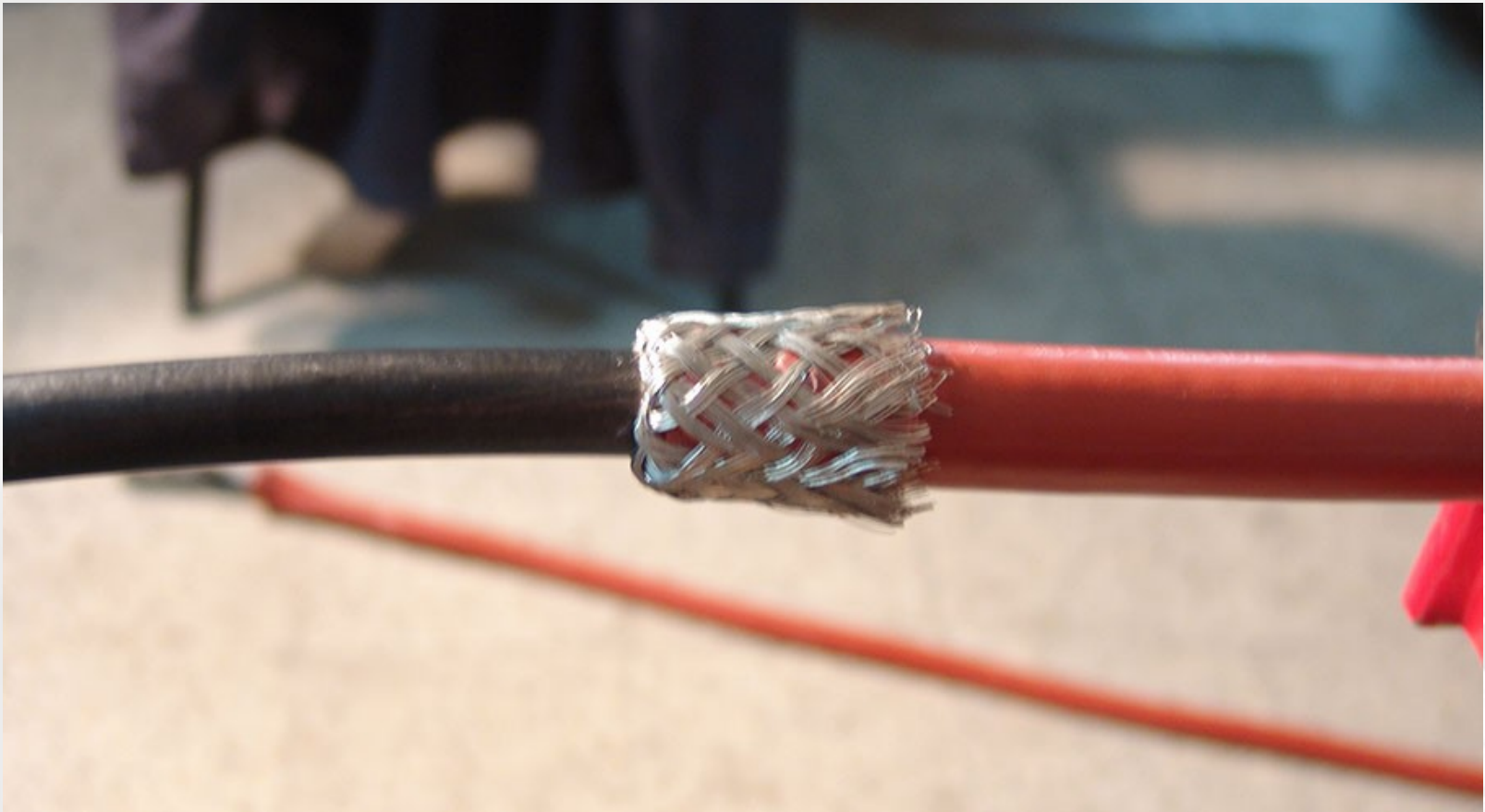
Application of tinned copper braid in contact with the external semiconductor of the Phase.

Phases 3



Application of heat shrinkable anti-tracking tube over the braid

Phases 4



Closing the end of the braid over the heat shrinkable anti-tracking tube

Phases 5



Closing the end of the braid over the heat shrinkable anti-tracking tube

Phases 6



Removal of the external semiconductor in the final part of the Phase

Phases 7



Removal of the external semiconductor in the final part of the Phase

Phases 8



Application of the cable lug

Phases 9



Application of the cable lug

Phases 10



Application of the cable lug

Phases 11



Application of the heat shrinkable medium voltage termination

Phases 12



Application of the heat shrinkable medium voltage termination

Phases 13



Application of the heat shrinkable medium voltage termination

Phases 14



Application of the heat shrinkable medium voltage termination

Phases 15



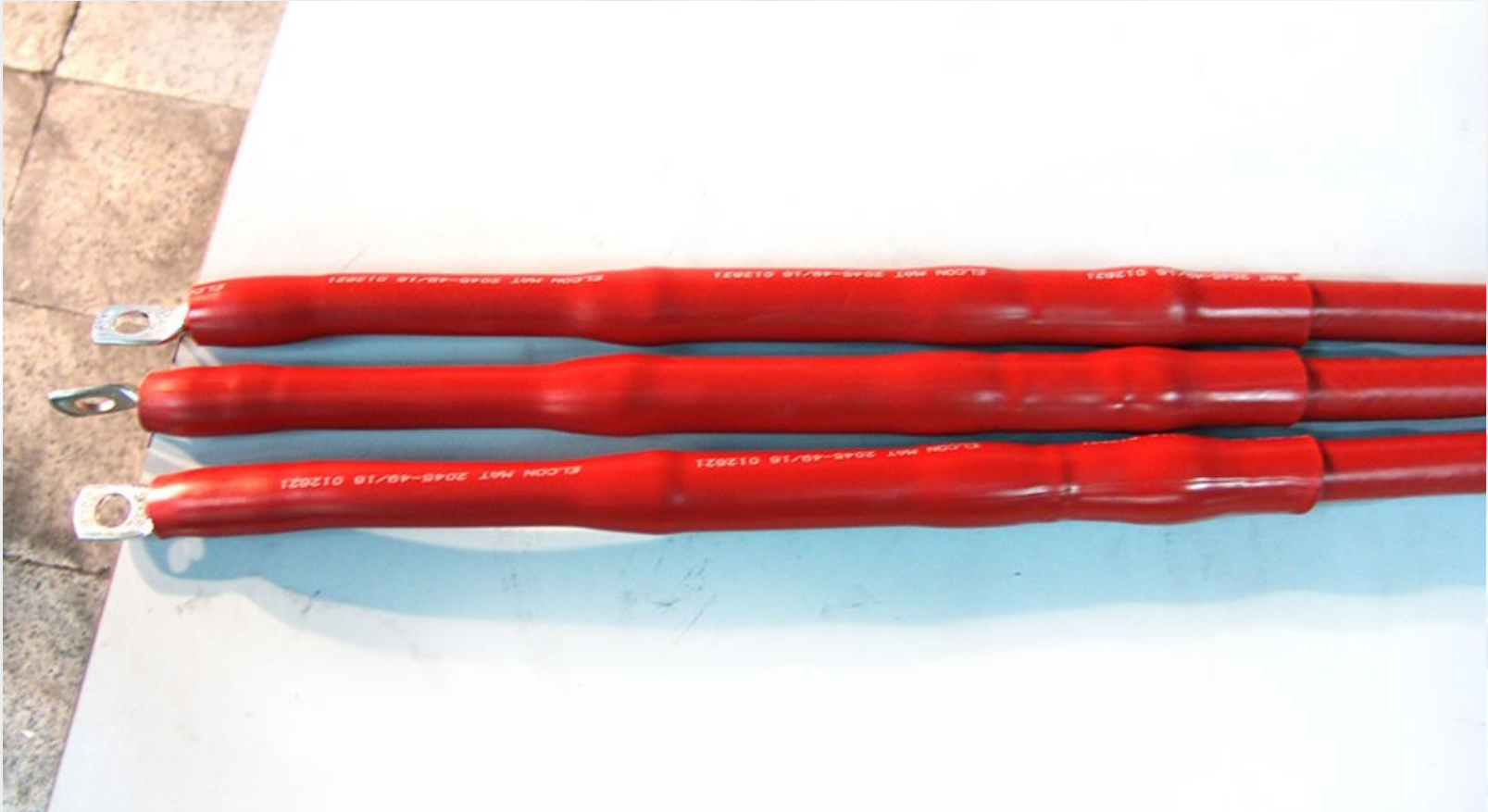
Application of the heat shrinkable medium voltage termination

Phases 16



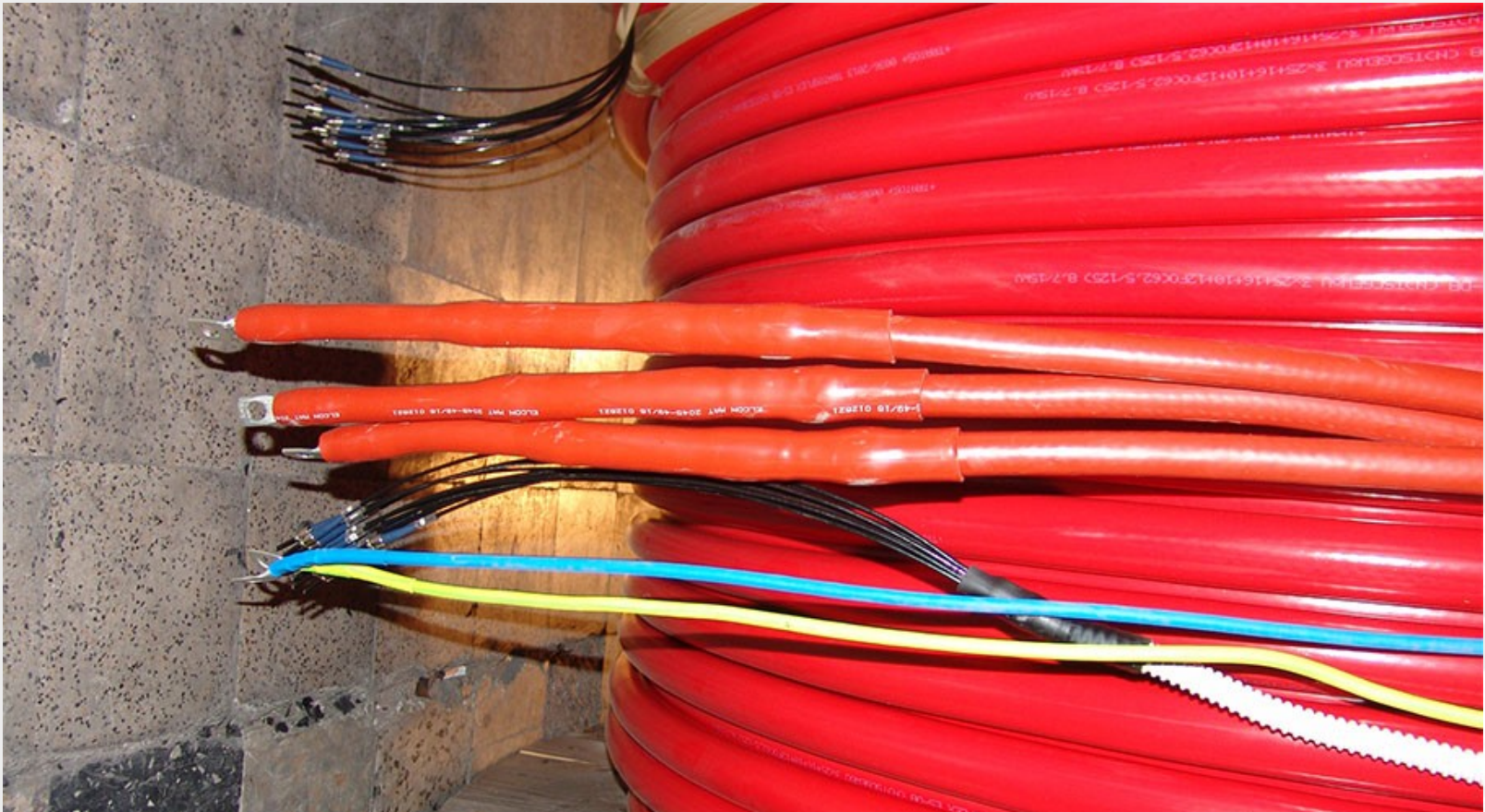
Application of the heat shrinkable medium voltage termination

Phases 17



Three Phases with terminations

Phases 18



Termination performed (3 Phases + Earth + Ground-Check + Optical Fibers)

Earth & Ground Check

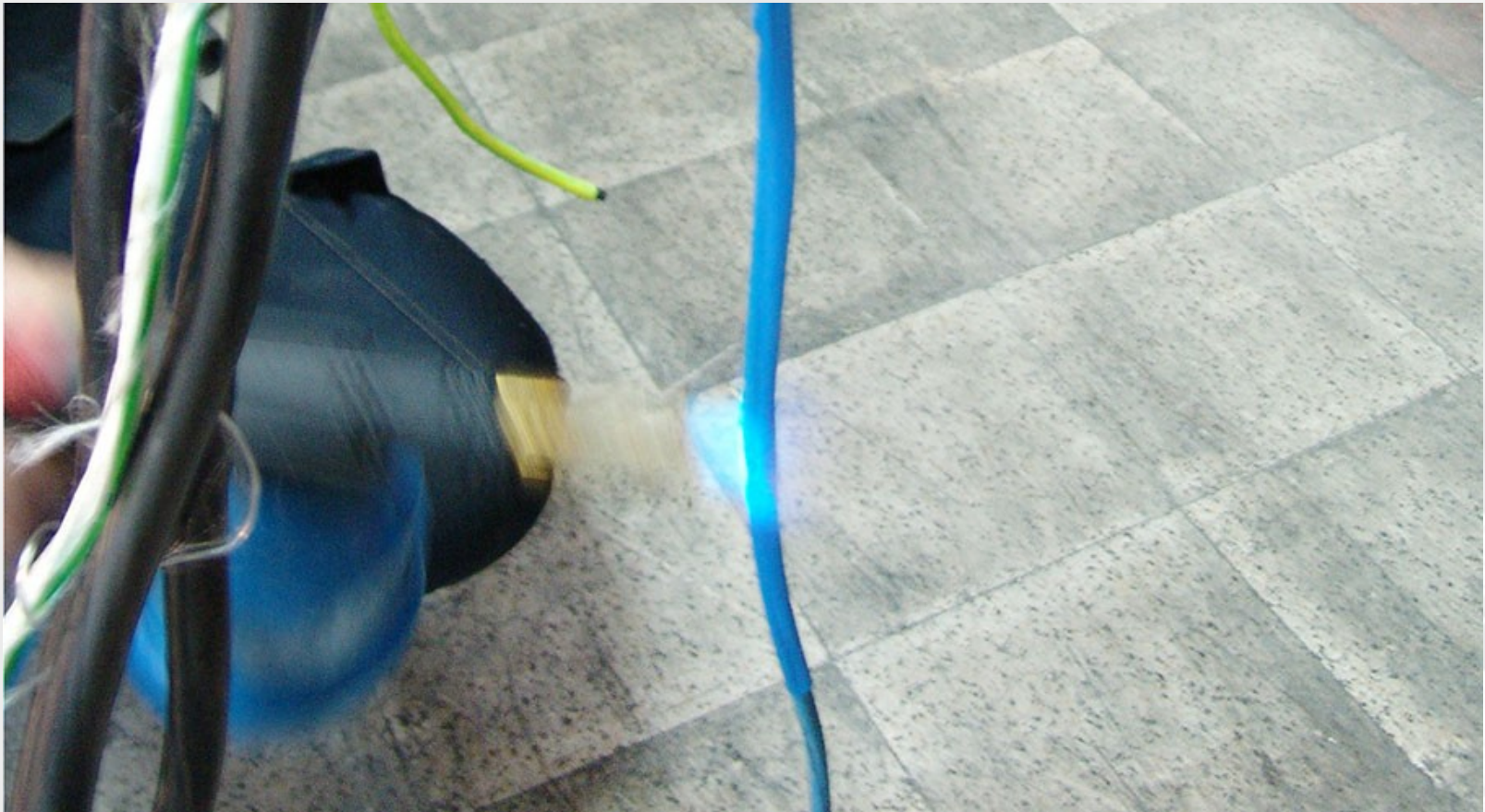


Earth&Ground Check 1



Application of heat shrinkable tube (green/yellow for the Earth and blue for the Ground-Check)

Earth&Ground Check 2



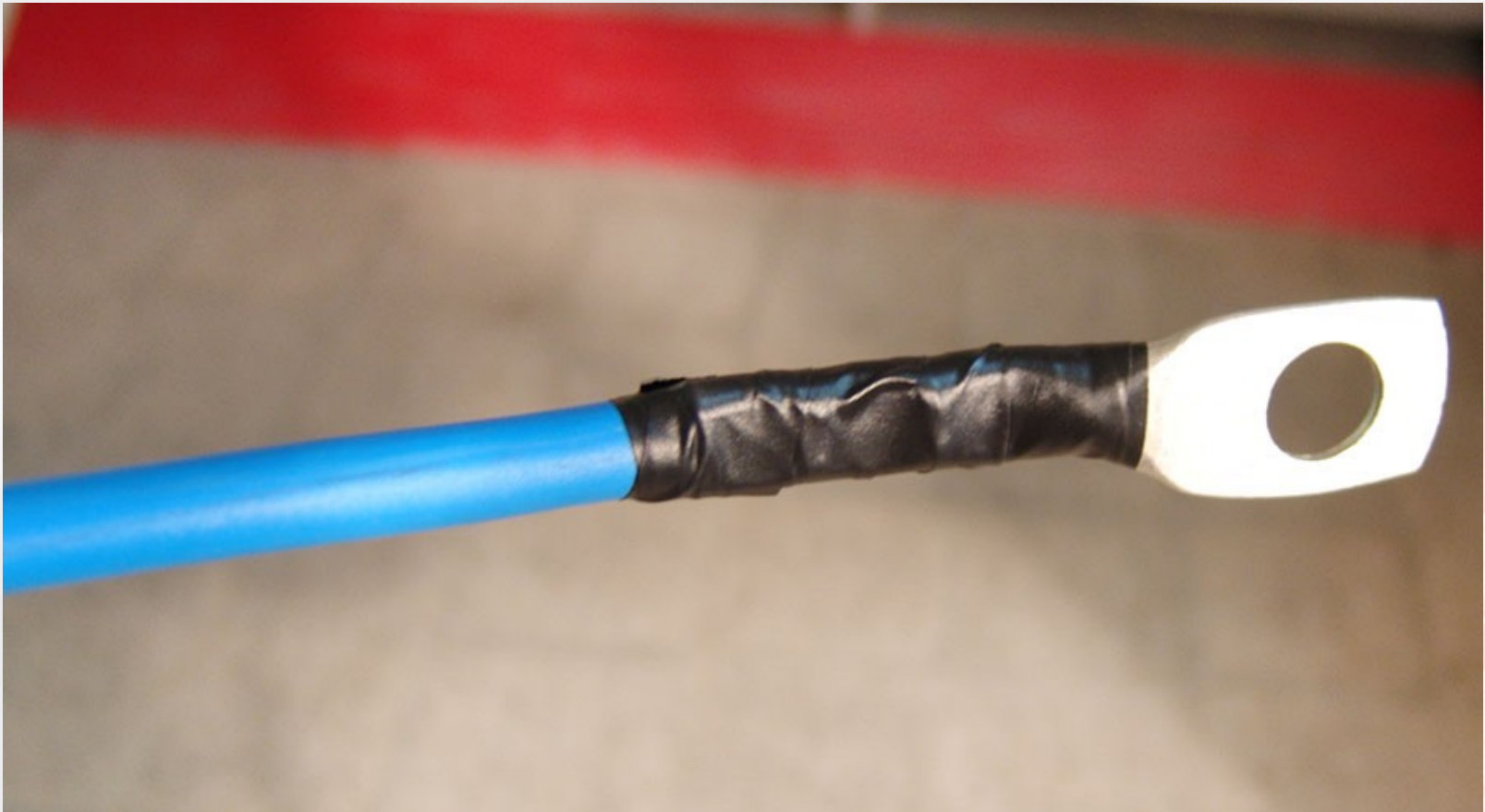
Application of heat shrinkable tube (green/yellow for the Earth and blue for the Ground-Check)

Earth&Ground Check 3



Application of heat shrinkable tube (green/yellow for the Earth and blue for the Ground-Check)

Earth&Ground Check 4



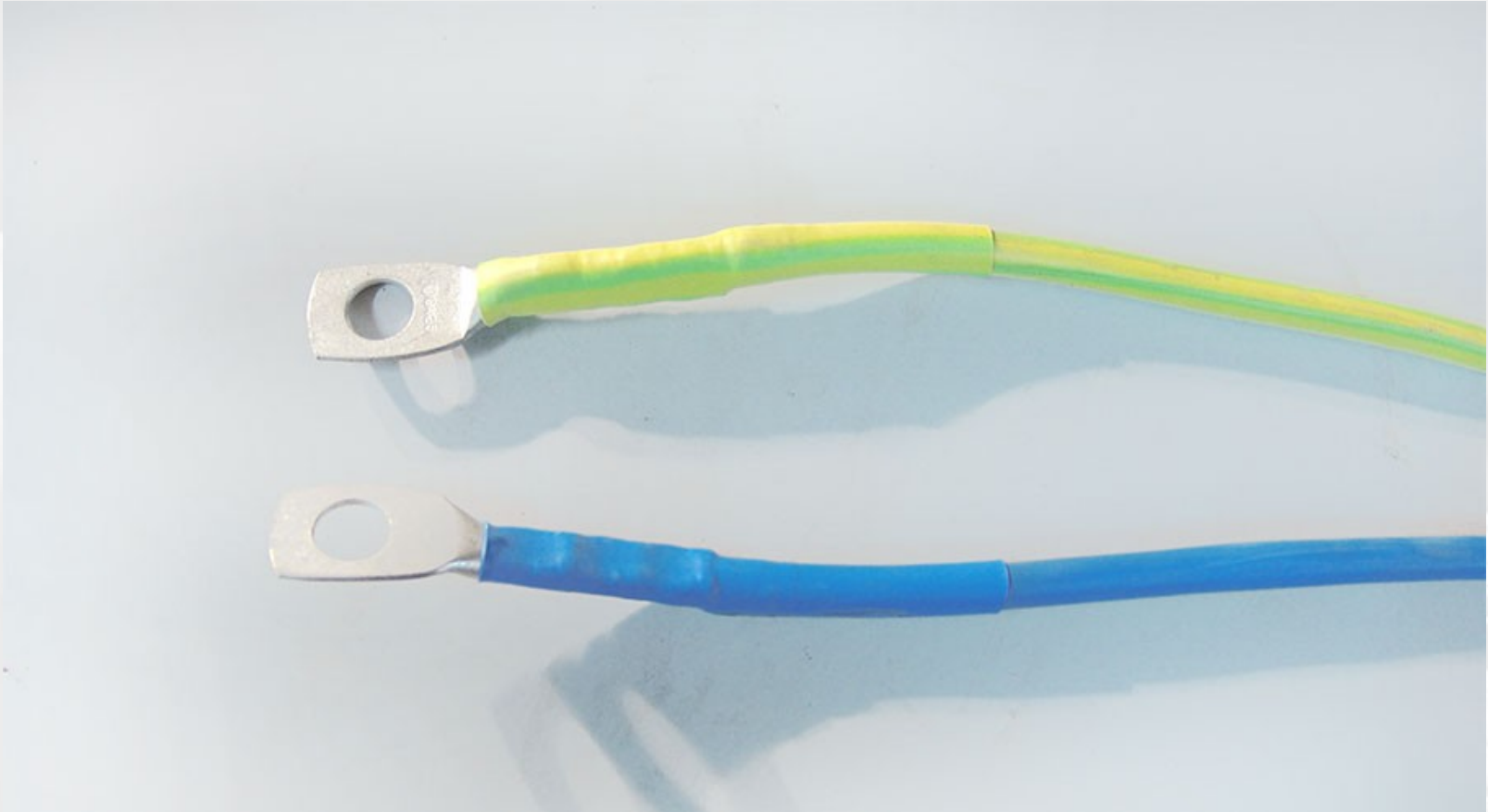
Application of cable lugs

Earth&Ground Check 5



Application of cable lugs

Earth&Ground Check 6

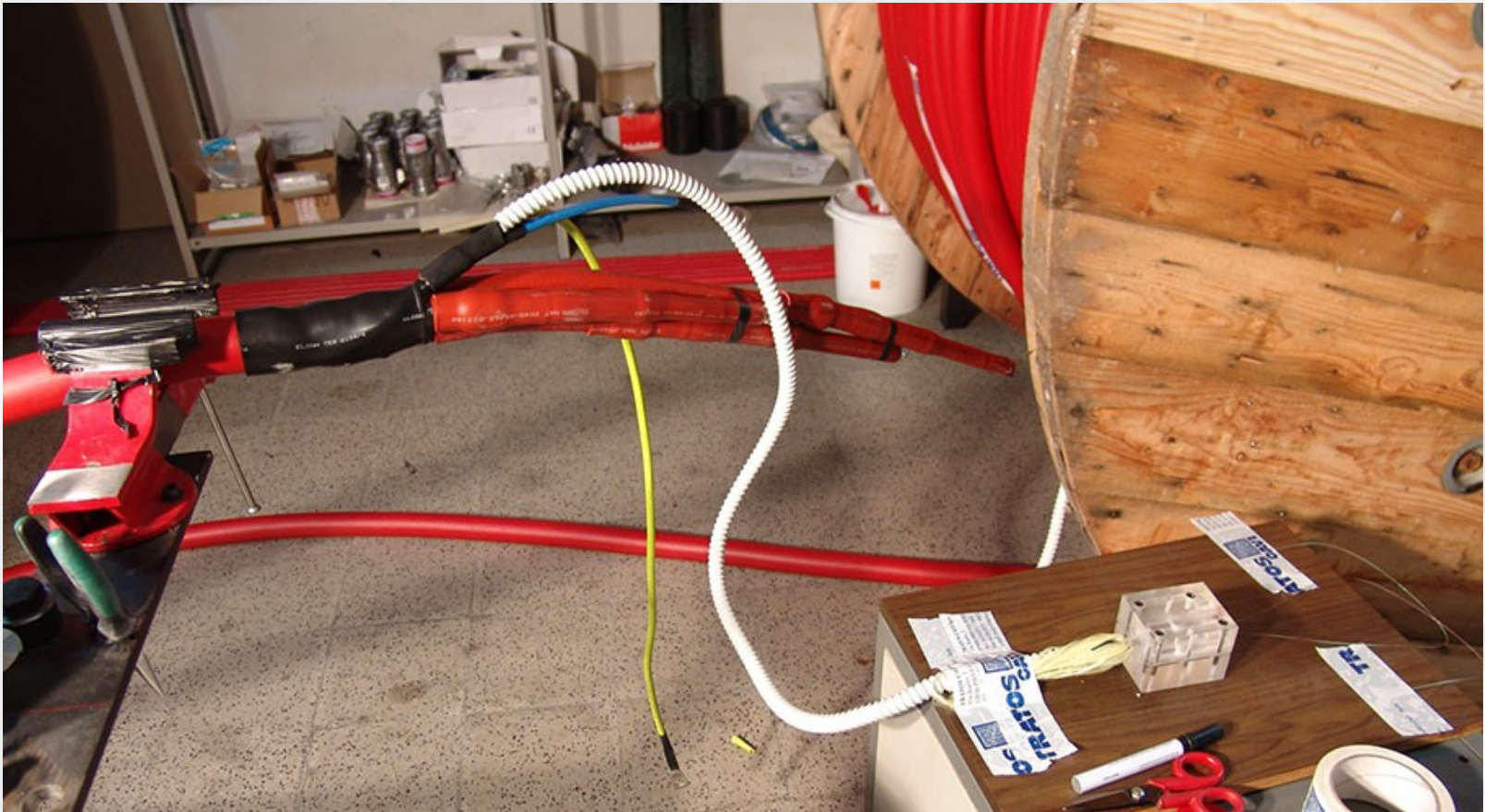


Earth and Ground-Check with terminations

Optical Fibers

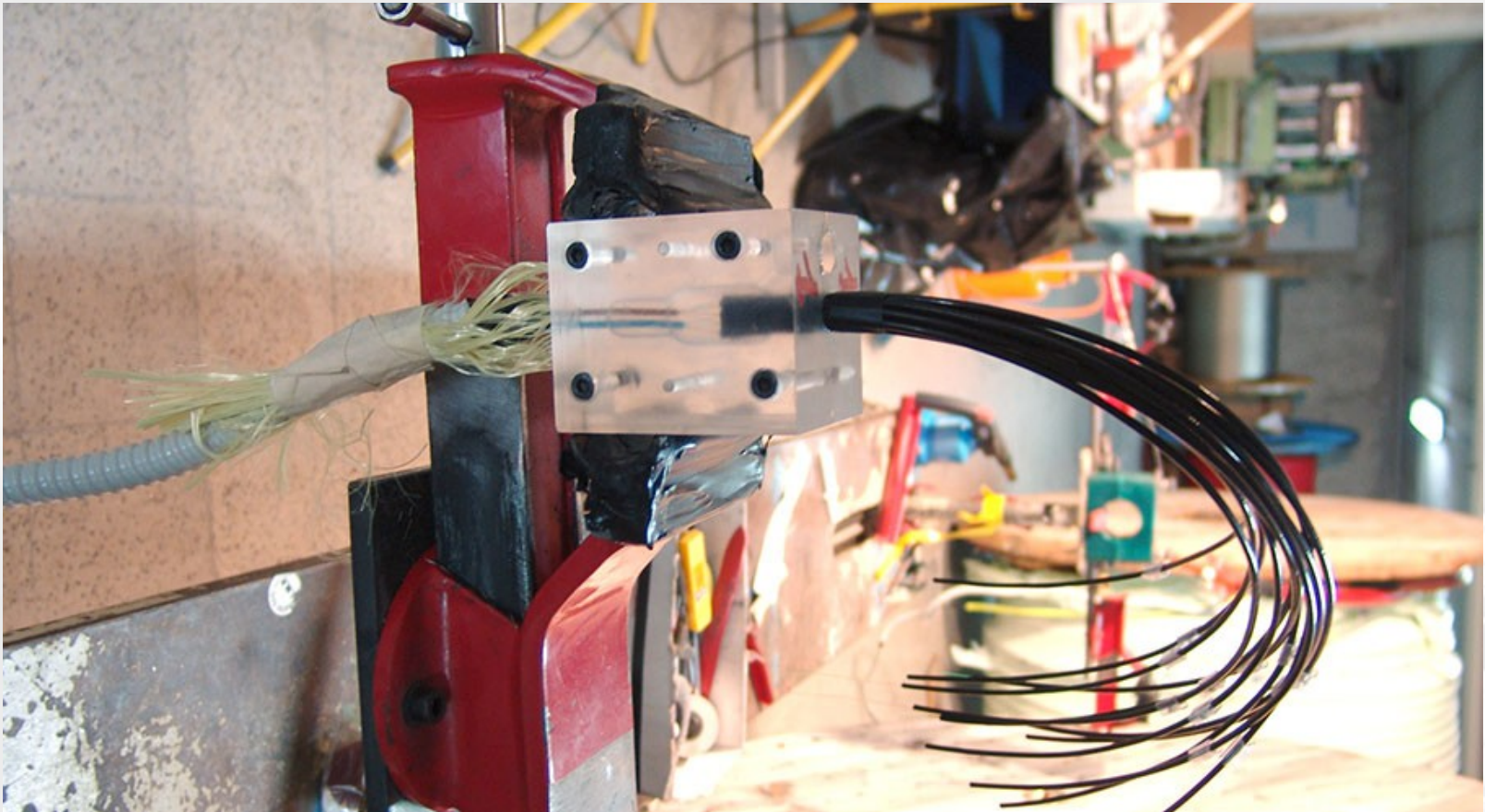
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Optical Fibers 1



Application of the corrugated pipe over the group of Optical Fibers

Optical Fibers 2



Application of the gland of epoxy resin and entering the last part of the Fiber inside the black tube (one Fiber on each tube)

Optical Fibers 3



Application of the Fiber connector

Optical Fibers 4

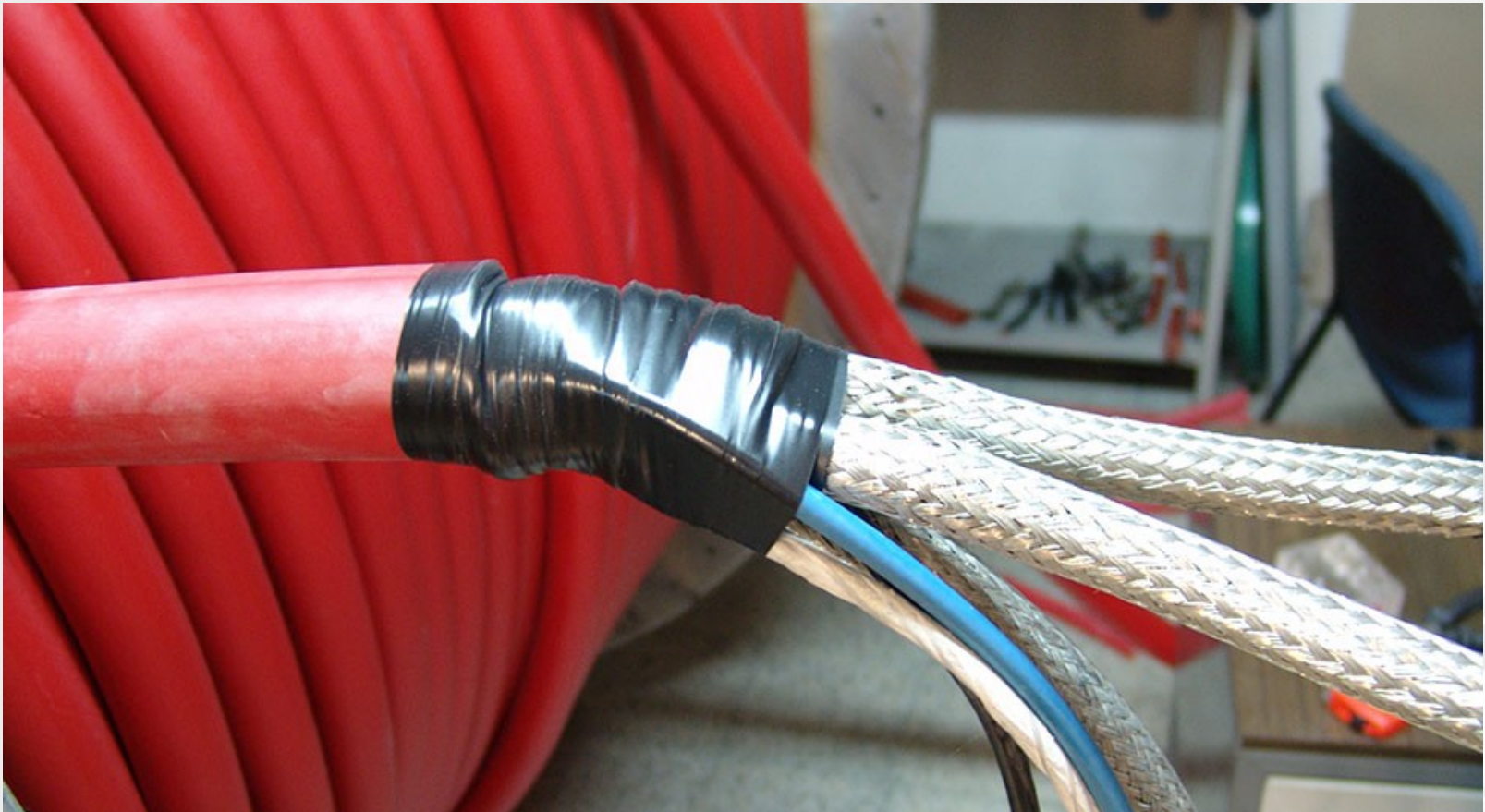


Optical Fibers with terminations

Junction between jacketed cable and terminations

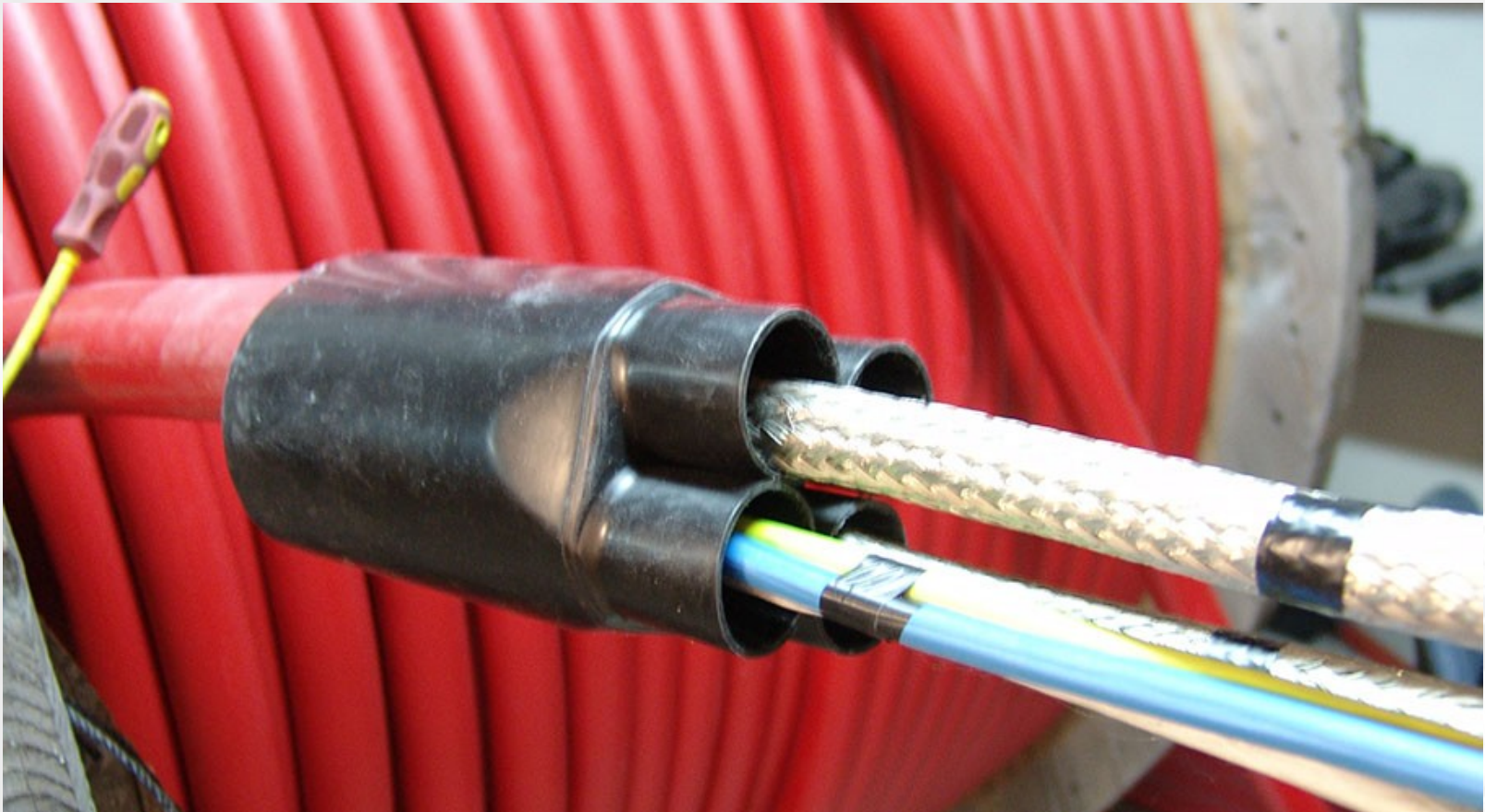


Junction between jacketed cable and terminations 1



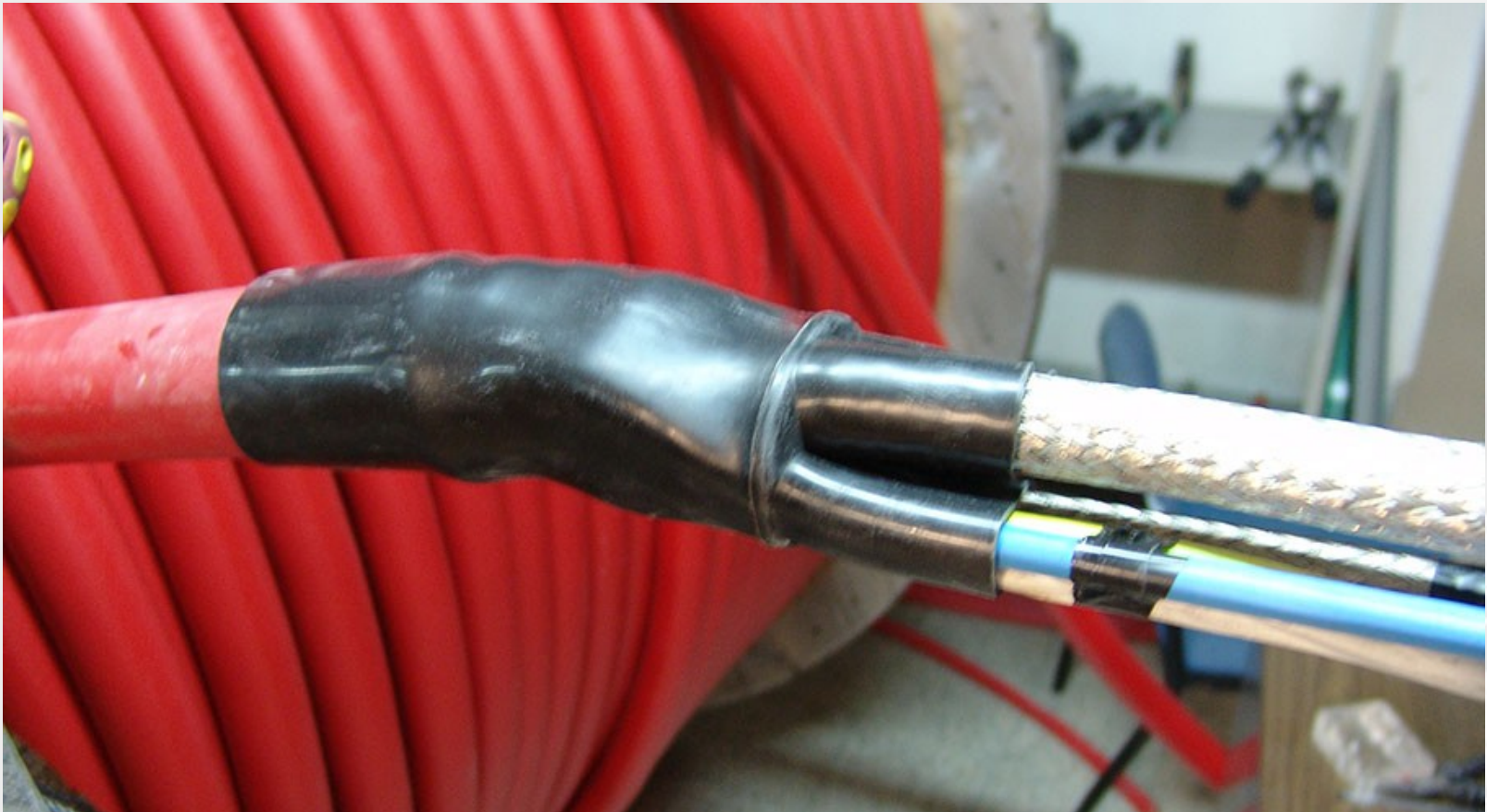
Application of insulating tape between last part of jacketed cable and the beginning of the terminations

Junction between jacketed cable and terminations 2



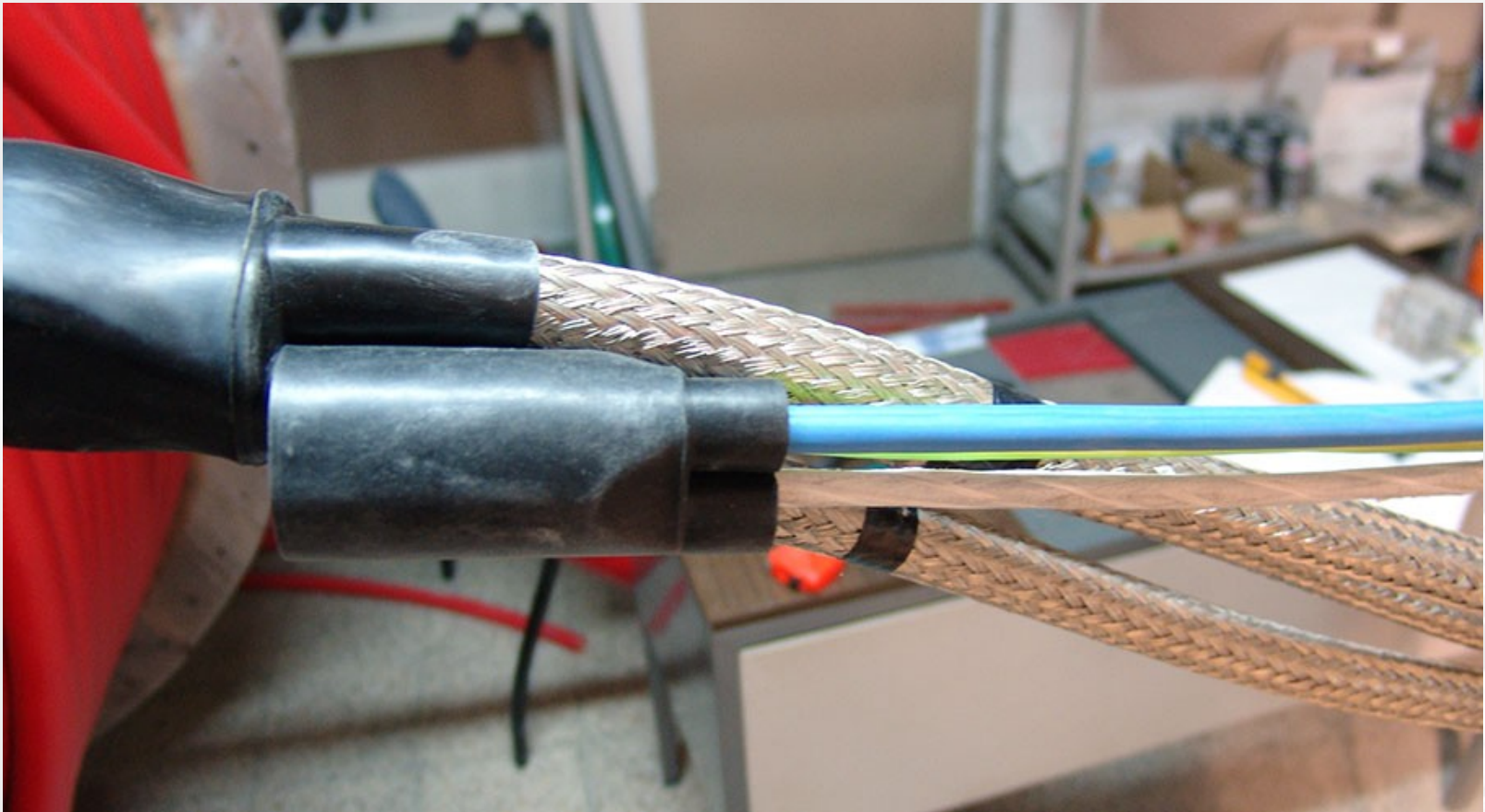
Application of a heat shrinkable cable breakout boot, 4 ways:
Phase 1 - Phase 2 - Phase 3 - (Fibers+Earth+Ground-Check)

Junction between jacketed cable and terminations 3



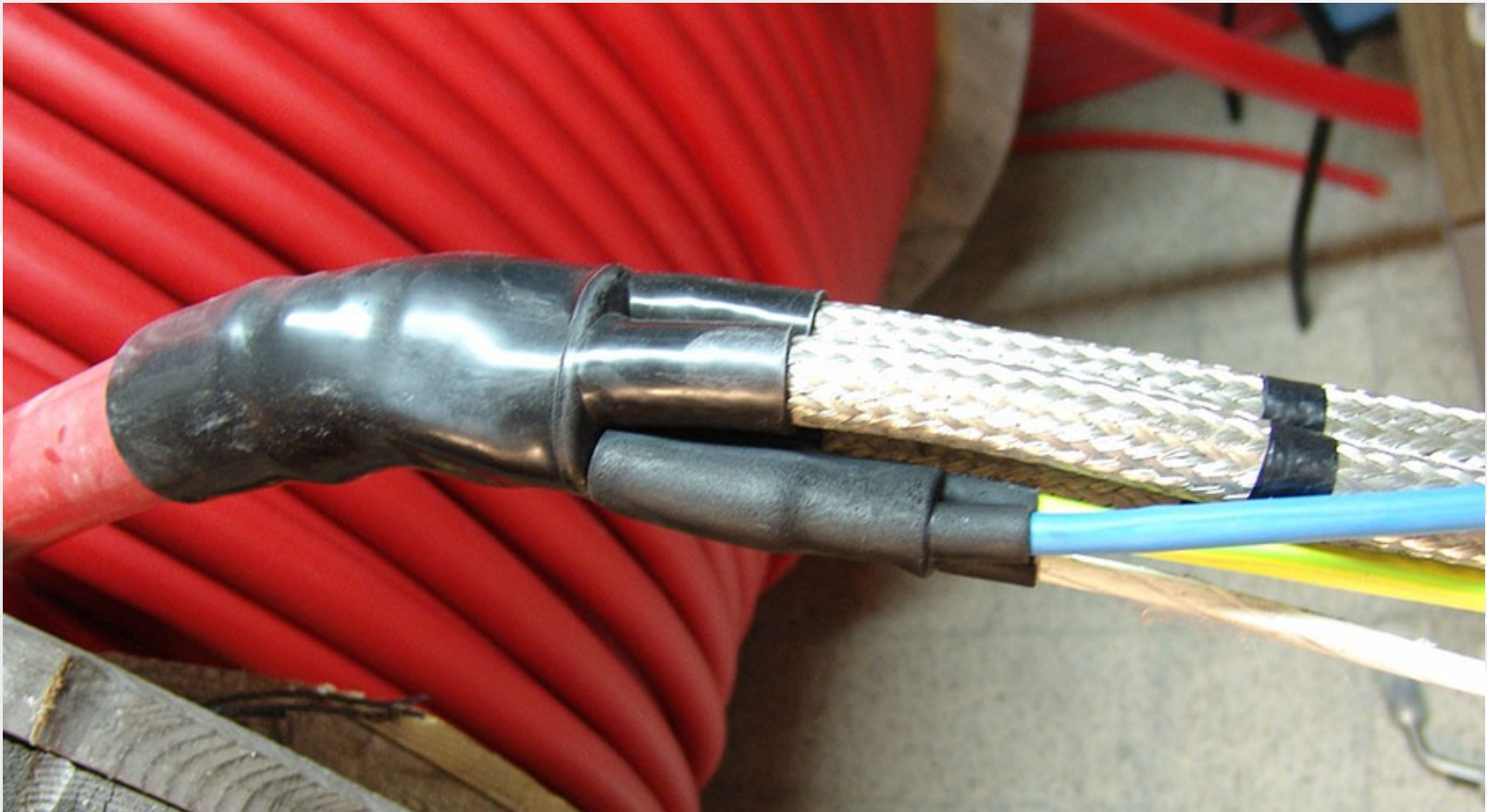
Application of a heat shrinkable cable breakout boot, 4 ways:
Phase 1 - Phase 2 - Phase 3 - (Fibers+Earth+Ground-Check)

Junction between jacketed cable and terminations 4



Application of a heat shrinkable cable breakout boot, 3 ways:
Fibers - Earth - Ground - Check

Junction between jacketed cable and terminations 5



Application of a heat shrinkable cable breakout boot, 3 ways:
Fibers - Earth - Ground - Check

Junction between jacketed cable and terminations 6



Ended junction

Termination Test Report



TEST CERTIFICATE n° 5492/1 dated 12/12/2009

Customer's Ref.: CAVOTEC SPECIMAS SpA	
Order n°: 902733 dated 31/08/2009	
Our Ref n° 092405	Offer n°: AB/MB/EF/2009/0294 Rev 2/1 dated 24/08/2009
Item n°: 0001	Batch n°: 0130/09
CABLE TYPE: TRATOSFLEX ESDB 3X25+16+10+12FO (62.5/125) 8.7/15 kV	
Standards: VDE 0250 part 813 as applicable	

Electrical Tests made on cable with terminations

Test	UoM	Required	Result
Voltage test on phase conductors	kV/min	40 kV/20 min No faults	No faults
Voltage test on G.C. conductor	kV/min	2.5 kV/5 min No faults	No faults
Attenuation at 850 nm	dB/km	<3	<3

Above tests have been carried out on all the drums listed below:

Drum identification number	22008838	22008844	22008848	22008847	22008846
Length (mt)	522	522	522	522	522

Testing Dept.



TRATOS CAVI S.P.A. – FABBRICA DI CAVI ELETTRICI
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E-MAIL laboratorio@tratos.it



Special Offer

Choose **Tratos** to do your cable termination and we will do the **test report free of charge.**

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