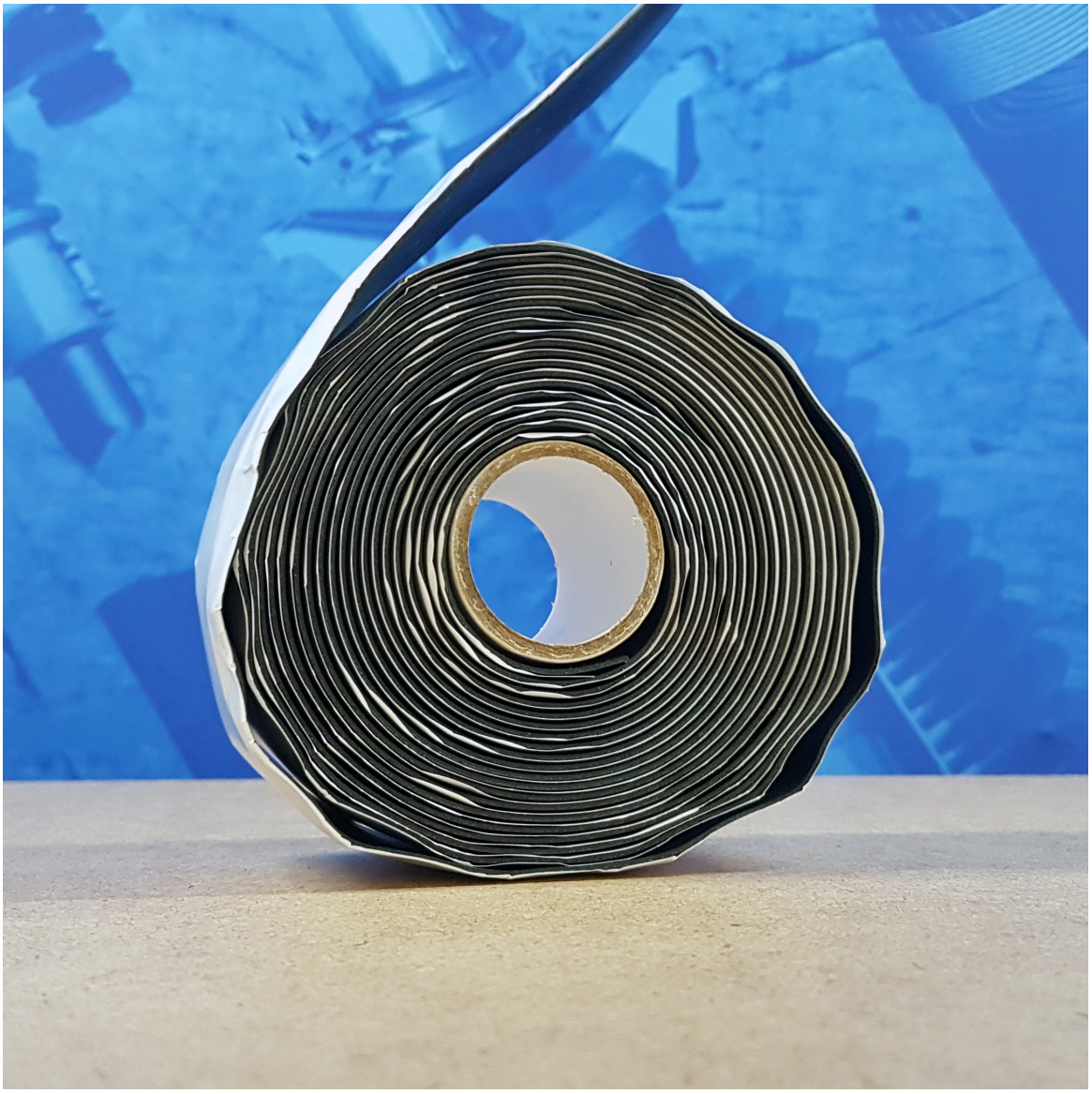
RULLE



The world‘s first cable sheath on a roll.

NKT

Cable sheath on a roll.

A cable sheath has to meet very high technical demands, and must always provide uncompromised mechanical and electrical protection.

The sheath is the front line of mechanical, moisture, fire, and chemical defence for cables of any voltage and the outer protection on accessories fitted to power cables, must always provide equal or better protection than the original sheath of the cable itself.

At present, the most common way of recreating the protective characteristics of a sheath is to apply heat-shrink products using tubing or split repair sleeves. However within Australia, the threat of total fire ban days and the often critical nature of cable repairs can make this solution inconvenient and can become costly with unforeseen delays.

As an alternative, NKT have developed RULLE, an innovative product that makes power cable installation and repair work far quicker and easier than conventional methods.

In a similar situation with RULLE, the advantages can be realised immediately and go far beyond the requirements to perform in Australia‘s harsh conditions. With no flame required, once the damaged area has been cleared of dirt and major electrical damage, RULLE can be applied across the effected area immediately and is then ready for acceptance testing.

RULLE - Roll of rubber bandage

What we‘re talking about is an extremely durable 2mm-thick rubber bandage. The bandage has two layers - a protective outer layer of strong EPDM rubber, coated with an inner sealing layer of soft butyl rubber.

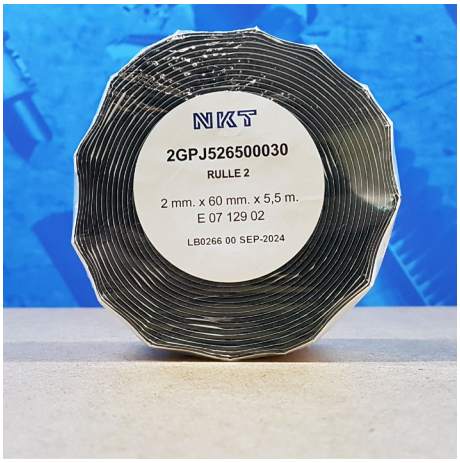
RULLE meets the mechanical and electrical tests set out in the IEC and Cenelec Standards, which have been widely adopted throughout the Australian and New Zealand for cable accessory acceptance requirements.



The strong outer layer provides very good mechanical protection against knocks, pressure & abrasion



The soft inner adhesive layer makes RULLE waterproof, so cables can be laid in water, without any problem



The elastic EPDM rubber material means that RULLE flexes, bends and expands without difficulty and is more resistant to extreme temperatures than polyethelyne and PVC.

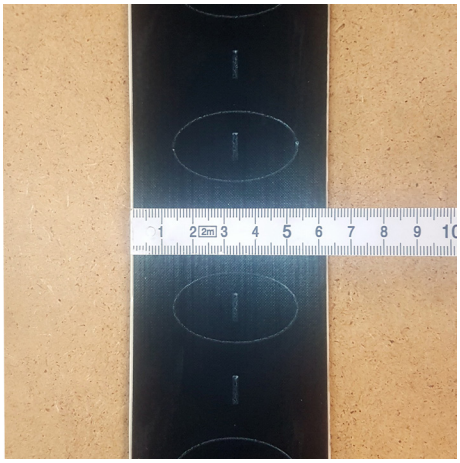
Bury it, and forget it.



RULLE provides very good electrical withstand properties, at least 25kV DC. Very important during HV sheath testing.



RULLE is very durable outdoors, resistant to UV radiation and can compete with even the harshest industrial environments.



RULLE tape comes in 2 size variations with 60mm tape width means less wrapping, a greater sealing area and a faster installation.

Even with modern techniques and technologies, power cable installation has its unique challenges, and overcoming obstacles and harsh environments is not uncommon during daily practice. Stones, building materials and other unforeseen objects can inadvertently cause damage, even when the greatest of care has been taken and unfortunately, the cable sheath can put the integrity of the entire circuit at risk, leading to future delays and unforeseen extra cost.

Not only can RULLE speed up the process and minimise downtime, but its superior dieletric withstand strength means that once the sheath replacement is complete, you can bury it and forget it. RULLE can even be used to insulate OHL bare conductors and busbar to protect against earth faults or short circuits from wildlife.

Miracle Cure

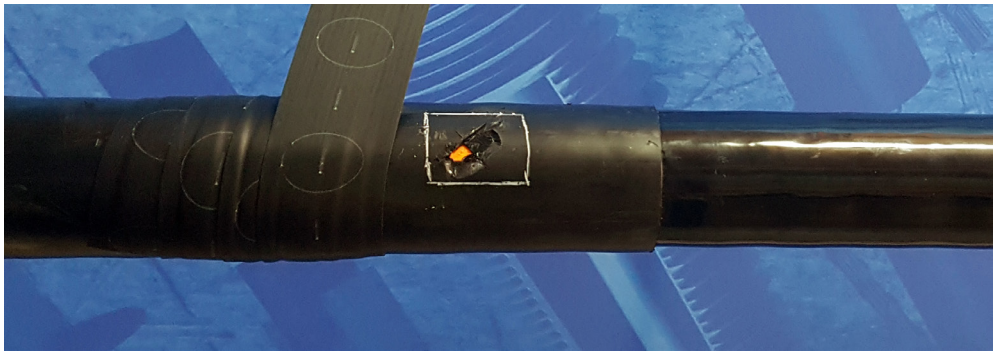
When such damage is incurred, it helps to have a ready made solution available to minimise downtime and maximise production flow. With a few layers of RULLE rubber bandage, the cable sheath can be repaired immediately without the requirement of specialised personnel or expensive alternatives.

The RULLE rubber bandage is made up EPDM with a soft inner adhesive layer using butyl rubber, which has great sealing properties and sticks very well - even to smooth, shiny surfaces like PVC and polyethylene.

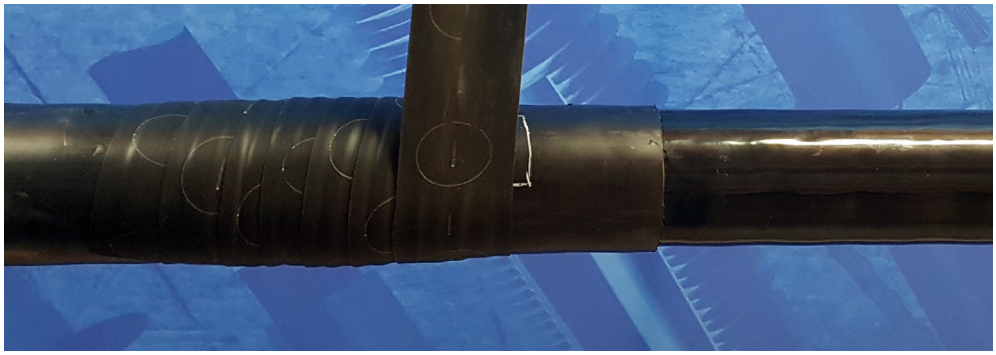
Even the most experienced of jointers can end up with a split heat shrink tube from time to time. With a RULLE rubber bandage in hand, there is no need to start all over again. Just wrap it around the split area and you immediately restore the integral protective function of the sheath.

The fact is, that it‘s much easier not to bother with the shrink tube in the first place, and just use a RULLE rubber bandage instead - something you will soon discover for yourself.

First aid bandage.



Damaged cable? If the damage is restricted to the cable sheath, you can repair it easily, safely and no flame required with RULLE tape



Split or burned through heat shrink tube? Just wrap over the damaged area with RULLE rubber bandage to restore the full protective function of the sheath.



Big difference in diameters? A few layers of RULLE rubber bandage easily solves sealing problems at cable inlet points.

Technical data on RULLE, the cable sheath on a roll.

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Pack			
	RULLE 1		**1 pce**
	RULLE 2		
Material			**EPDM + butyl rubber**
Dimensions	**Thickness**	**Width**	**Length**
	RULLE 1	**2mm**	**60mm**	**3.5m**
	RULLE 2	**2mm**	**60mm**	**5.5m**
Electrical Withstand			**25kV DC**
Cold			**Can be fitted down to -20°C**
Suitable for laying in ground or water			**Yes**
Resistant to UV radiation			**Yes**
Shelf life			**At least 5 years**
Impact Test			**IEC 502 (draft)**