

SAVINGS • SUSTAINABILITY • SAFETY

**MASTERPAK™ —  
Reel Innovation**  
from **Alcan** Cable



grounded in service  
**wired to innovate™**



### What is MASTERPAK?

MASTERPAK is a revolutionary method to produce and ship insulated aluminum low voltage cable without the wooden reel. Alcan Cable was the first cable manufacturer to develop this innovative packaging solution through strategic alliances and partnerships with its customers.

The MASTERPAK coil of cable is secured by stretch wrap PVC and plastic strips. A cardboard liner is provided for storage of the coils. The MASTERPAK coil can be assembled on a plastic breakdown reel or stempak coil spear for easy dispersal and installation of the cable.\*



Compared with the wood reel, MASTERPAK offers several outstanding advantages and benefits:

- **Provides long term cost savings** by eliminating the purchase cost of wood reels and landfill costs associated with the disposal of wood reels.
- **Contributes to the sustainability of our environment** by saving millions of trees each year and reducing the number of wood reels sent to landfills. Plastic reels can be reused up to 200 times and then recycled at the end of their life.
- **Minimizes cable waste and material scrap** by eliminating the collection, transportation and disposal costs associated with used wood reels. Cable remnants on reels can be easily recovered for additional use or salvage.
- **Reduces cable transportation costs** by maximizing truckload freight capacity to 42,000 pounds for MASTERPAK coils compared with 32,000 pounds for cable on wooden reels – freight cost savings of over 30%!
- **Allows for easier, safer handling and storage** because a MASTERPAK coil weighs 40 pounds less than the typical wood reel and the cable is secured with stretch wrap. Store personnel can assemble the package with minimal effort and utilize smaller vehicles for loading and unloading with less risk of injury.
- **Minimizes the risk of cable damage during installation** by eliminating the scraping and nicking of the cable insulation by the nails in the wood reels.

\* Reels and domes are supplied by other manufacturers and are not products of Alcan Cable.



# O F M A S T E R P A K ™



## Installing MASTERPAK Coils

MASTERPAK Coils are easy to handle and assemble, and facilitate the smooth removal of the cable from the package.

There are two recommended methods for handling MASTERPAK Coils: plastic breakdown reels and stempak coil domes. Both methods allow for simple and efficient dispensing of the cable for installation in the field. These accessories can be purchased directly from third party manufacturers. Please contact your local sales representatives for further details.

## MASTERPAK Material Handling and Storage

Each coil comes with a corrugated cardboard liner for storage in outdoor locations. Coils are placed on trucks in a triangular configuration and may be unloaded three at a time by spearing the bottom two coils using a coil spear or some form of blade protection.

## Reusable Plastic Reel

The placement of a MASTERPAK coil on a reusable plastic reel consists of five simple steps:

1. Place the MASTERPAK coil in a rack.
2. Unscrew one of the flanges of the plastic reel.
3. Slide the plastic reel through the MASTERPAK coil opening.
4. Screw the reel flange back onto the drum of the reel.
5. Remove the plastic wrap from the coil.



## Plastic Stempak Dome

The placement of a MASTERPAK coil on a plastic stempak dome is accomplished in 4 easy steps:

1. Place the MASTERPAK coil in a rack.
2. Slide the stempak dome through the MASTERPAK coil opening.
3. Using a lifting eye, place the dome in an upright position on to a turntable.
4. Remove the plastic wrap from the coil.

The MASTERPAK coil of cable is now ready to be sent to the field for installation.



## Savings Through Alcan Recovery

Alcan Cable's STAR program is the collection, recycling and metal recovery of scrap conductors and the recycling of wood reels, which result in revenue generation to the customer. This unique program is offered to our long-standing customers and alliance partners.

### **MASTERPAK: Contributing to a Sustainable Environment**

Alcan Cable has a vital role to play in the protection of our environment and the conservation of natural resources. Together with concerned stakeholders, governments, employees, shareholders and customers, we are pursuing business opportunities that strengthen Alcan Cable's position in all aspects of its business to provide a prosperous and sustainable environment for future generations.

MASTERPAK is an excellent example of a simple yet innovative concept that combats environmental degradation, conserves natural resources and ensures safe workplaces. As part of Alcan Cable's STAR, Savings Through Alcan Recovery, program to recover and recycle materials from remnant and scrap conductors and packaging, MASTERPAK is a cost effective solution that demonstrates Alcan Cable's commitment to conservation and the protection of the environment.



## Alcan Cable MASTERPAK™

Package Lengths

### Alcan Cable - MASTERPAK™

CONDUCTOR SIZE	XHHW-2 36x26x18	USE-2 or RHH or RHW-2 36x26x18
#6 AWG	16,000	14,000
#4 AWG	12,000	10,000

CONDUCTOR SIZE	XHHW-2 44x26x18	USE-2 or RHH or RHW-2 44x26x18
#2 AWG	16,000	12,000
#1 AWG	12,000	9,000
1/0 AWG	10,000	8,500
2/0 AWG	9,000	7,000
3/0 AWG	7,000	6,000
4/0 kcmil	6,000	5,000
250 kcmil	4,500	4,000
300 kcmil	4,000	3,500
350 kcmil	3,500	3,000
400 kcmil	3,000	2,500
500 kcmil	2,500	2,000
600 kcmil	2,000	1,800
700 kcmil	1,800	1,500

### Alcan Cable - MASTERPAK™

CONDUCTOR SIZE	1/C 600V URD 36x26x18	OH TRIPLEX 36x26x18	600V URD Triplex/Paralleled 36x26x18
#6 AWG	13,000	3,500	3,000
#4 AWG	9,000	2,800	2,500

CONDUCTOR SIZE	1/C 600V URD 38x26x18	OH TRIPLEX 38x26x18	600V URD Triplex/Paralleled 38x26x18
#2 AWG	10,000	3,000	2,500
1/0 AWG	6,000	1,800	1,500
2/0 AWG	5,000	1,500	1,200
3/0 AWG	4,000	1,200	1,200
4/0 AWG	3,500	1,000	1,000
250 kcmil	3,000	-	700
350 kcmil	2,000	-	500
500 kcmil	1,900	-	475
750 kcmil	1,000	-	-

CONDUCTOR SIZE	1/C 600V URD 44x26x18	OH TRIPLEX 44x26x18	600V URD Triplex/Paralleled 44x26x18
#2 AWG	15,000	4,500	3,500
1/0 AWG	9,000	2,500	2,000
2/0 AWG	7,500	1,800	1,500
3/0 AWG	7,000	1,700	1,300
4/0 AWG	5,000	1,500	1,200
250 kcmil	4,000	-	800
350 kcmil	3,500	-	750
500 kcmil	2,500	-	600
750 kcmil	1,500	-	-

Alcan Cable operates throughout North America – in the U.S. as a division of Alcan Products Corporation, and in Canada as a division of Alcan Inc. Alcan Cable has its own research and development facilities and is backed by the technology and laboratories of the Alcan Group. We're proud of our long history of providing new and innovative aluminum solutions to the many customers we serve.

**ALCAN CABLE**

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