



# Cable Compounds: Finding the Right Processing System for Your Application

Cable compounds insulate and protect wires and are thus essential for a lot of industries. This includes construction, telecommunication and vehicle manufacturing. Coperion's compounding machines are suitable for the production of cable compounds with different requirements.



## MATERIAL PROPERTIES

Depending on the end use, cable compounds need to fulfill different requirements and thus have different material properties.



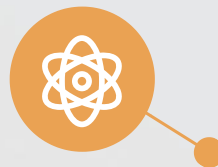
### DURABLE

Cable doesn't break when being flexed



### RESISTANT TO CHEMICALS

Cable isn't damaged when exposed to chemicals



### SUITABLE FOR HIGH VOLTAGE

Insulation and shielding in medium and high voltage cables



### FLAME RETARDANT & FIREPROOF

Ignition of the cable and spread of fire is prevented



### HEAT RESISTANT

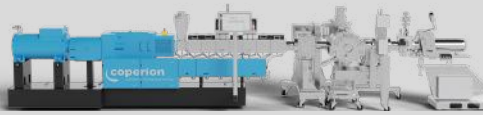
Cable withstands high temperatures and provides protection against contact heat



# PRODUCTION OF CABLE COMPOUNDS

## SINGLE STAGE PROCESS

Systems: Mv Mc



## TWO STAGE PROCESS



### SEMICONDUCTIVE CARBON BLACK MASTERBATCH

Mv

The ZSK Mv PLUS system ensures excellent dispersion of high-volume ingredients.

### HFFR CABLE COMPOUNDS

Mv

The ZSK Mv PLUS system ensures homogenous incorporation of high filler loading at a low shear rate.

### XLPE CABLE COMPOUNDS (POST BLENDING)

Mc

The ZSK Mc<sup>18</sup> system ensures reliable production of high-quality peroxide cross-linkable PE for both medium and high voltage applications.

### SILANE CROSS-LINKABLE CABLE COMPOUNDS (XLPE SIOPLAS PROCESS)

Mc

The ZSK Mc<sup>18</sup> system enables gentle and even processing with a low amount of silane peroxide.

### TPE / TPU CABLE COMPOUNDS

Mc

The ZSK Mc<sup>18</sup> system has the right balance between torque and throughput.

### FLUOROPOLYMERS

Mc

The ZSK Mc<sup>18</sup> system comes with special materials of construction for product touching parts.

## PVC CABLE COMPOUNDS

Coperion's Kombiplast system ensures uniform shearing, homogenization, and pelletizing of the product recipes.

## GOOD TO KNOW

The Eccentric Pelletizer EGR permits particularly smooth and gentle cutting of temperature and shear-sensitive plastics.



Dust content of PVC pellets can be effectively reduced.

Test your application in our test centers across the globe



Coperion is the industry and technology leader in extrusion and compounding systems, feeding systems and bulk material handling plants.

For more information please visit [www.coperion.com](http://www.coperion.com) or contact [info@coperion.com](mailto:info@coperion.com)

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