

CPR complying  
solutions for all  
kinds of LSOH  
cable

# COMPETENCE IN COMPOUNDS

# CONDOR COMPOUNDS OVERVIEW

## CONFILL®

Halogen free, flame-retardant bedding, or sometimes called filling compounds, based on EPR or other polymers

## CONGUARD®

Halogen free, flame-retardant insulation and sheathing compounds, based on EVA or other polymers, meeting international standards

## CONLINK®

Crosslinkable and flame-retardant insulation and sheathing compounds in compliance with international standards, based on EVA, EPDM or other polymers

## CUSTOMER SOLUTIONS

Custom compounding of customer recipes absolutely reliable by secrecy agreement

# CPR PRODUCT FINDER

Application	Reference	Tensile Strength	Elongation	LOI	MfR 150°C; 21,6 kg	CPR Class indication (Dependent on construction)	Comments
Communication cables		[MPa]/ [psi]	[%]	% [O2]	[g/10 min.]		
Data	CONGuard® S 6610 SK LDD UV	11/ 1600	160	35	5,5	Dca-s1,d1,a1	High speed, low drool, low shrinkage, good diameter control. Low water absorption.
Data	CONGuard® S 6615 LDD UV	11/ 1600	170	39	5,5	Cca-s1,d1,a1	Low drool, high speed, good diameter control.
Data	CONGuard® S 6625 S LDD	12,5/ 1810	180	36	6,5	Dca-s1,d1,a1	Easy processing and low drool compound with good LOI. Designed for shotgun profiles.
Data	CONGuard® S 6640 S N	12/ 1740	180	38	3,1	Cca-s1,d0,a1	Very good char forming compound. Fire alarm cable.
Data	CONGuard® S 6650 S LDD UV	11/ 1600	170	47	3	B2ca-s1,d1,a1	High flame retardancy. Solid char. Long-term temperature 70°.
Data	CONGuard® S 8850 S LDD UV	12,5/ 1810	160	48	2,5	B2ca-s1,d1,a1	High flame retardancy. Solid char. Very good crack resistance. Long-term temperature 90°C.
Flexible cords	CONGuard® S 6680	11/ 1600	200	32	4	Eca	Highly flexible PVC replacement. Passes 30,000 cycle flex test.
Optical fibre tight buffer	CONGuard® I 6541 LDD TB	12/ 1740	170	45	7	B2ca-s1,d1,a1	Very low shrinkage good adhesion and ovality. No die drool. For thin wall extrusion.
Optical fibre sheathing	CONGuard® S 6610 LDD UV	11/ 1600	170	37	10	Dca-s1,d1,a1	High speed, low drool, low shrinkage, good diameter control +UV additive.
Optical fibre sheathing	CONGuard® S 6615 LDD UV	11/ 1600	170	39	5,5	Cca-s1,d1,a1	High speed, low drool, low shrinkage, good diameter control +UV additive.
Optical fibre sheathing	CONGuard® S 6650 MAA LDD UV	11/ 1600	140	48	2,5	B2ca-s1,d1,a1	Premium fire performance designed to meet B2 at loose tube constructions. Char forming.
Optical fibre sheathing	CONGuard® S 8541 LDD UV	12/ 1740	170	43	7	Cca-s1,d1,a1	High fire performance designed to meet Cca at tight buffer constructions, very low shrinkage.
<b>LV Power cables</b>							
Thermosetting insulation	CONLink® I 4100	13/ 1885	250	34	6	Dca-B2ca	Ambient cure cross-linkable fire retardant insulation material.
Fire integrity/ House wiring	CONFill® 640			45		Dca-Cca	Fire retardant bedding compound, less sticking on XLPE
Fire integrity/ House wiring	CONFill® 5212	1/ 145	40	60		Dca-B2ca	Premium fire retardant bedding compound, less sticking on XLPE
Fire integrity/ House wiring	CONFill® 5217	7/ 1015	100	75		Dca-B2ca	Premium fire retardant bedding compound, no sticking on XLPE. Strong char.
Fire integrity/ House wiring	CONFill® 5375			70		Dca-B2ca	Premium fire retardant bedding compound
Fire integrity/ House wiring	CONGuard® S 6545 N	10,8/ 1566	150	43	3	B2ca-s1,d0,a1	High flame retardancy with char promoter
Fire integrity/ House wiring	CONGuard® S 6610 SK LDD UV	11/ 1600	160	35	5,5	Cca-s1,d1,a1	Good general purpose easy flow material. Low water absorption.
Fire integrity/ House wiring	CONGuard® S 6625 S LDD	12,5/ 1810	180	36	6,5	Dca-s1,d1,a1	Easy flow HM4 meeting LTS1-4. Good tear resistance.
Fire integrity/ House wiring	CONGuard® S 6640 S N	12/ 1740	180	38	3,1	Cca-s1,d0,a1	Very good char forming compound with very good processing characteristic.
Fire integrity/ House wiring	CONGuard® S 6642 S LDD UV	11/ 1600	180	36	3,1	Cca-s1,d0,a1	Char forming compound for bedding free installation cables
Fire integrity/ House wiring	CONGuard® S 6650 S LDD UV	11/ 1600	170	47	3	Cca-s1,d1,a1	High flame retardancy designed to meet BS 7629 CWZ. Good char. Flexible material with long-term temperature 70°C.
Fire integrity/ House wiring	CONGuard® S 8541 S LDD	12/ 1740	170	43	5	Cca-s1,d1,a1	Good general purpose easy flow material meeting LTS1-4. Good stress crack resistance.
Fire integrity/ House wiring	CONGuard® S 8865 S LDD UV	12/ 1740	145	48	3	Bca-s1,d0,a1	High flame retardancy with good char. Long-term temperature 90°C.

## CONDOR COMPOUNDS – YOUR DIRECT LINES

### SALES DIRECTOR

**Matthias Piendl**

+49 531 21024-18

piendl@condorcompounds.de

### CUSTOMER SERVICE

**Dennis Schlosser**

+49 531 21024-11

schlosser@condorcompounds.de

### OFFICE

phone +49 531 21024-0

fax +49 531 21024-38

cc@condorcompounds.de

### CUSTOMER SERVICE

**Oskar Hermann**

+49 531 21024-67

hermann@condorcompounds.de



For more contacts,  
please scan the QR code

**CONDOR COMPOUNDS GmbH**

Hansestrasse 68

D-38112 Braunschweig

Germany

[condorcompounds.de](http://condorcompounds.de)