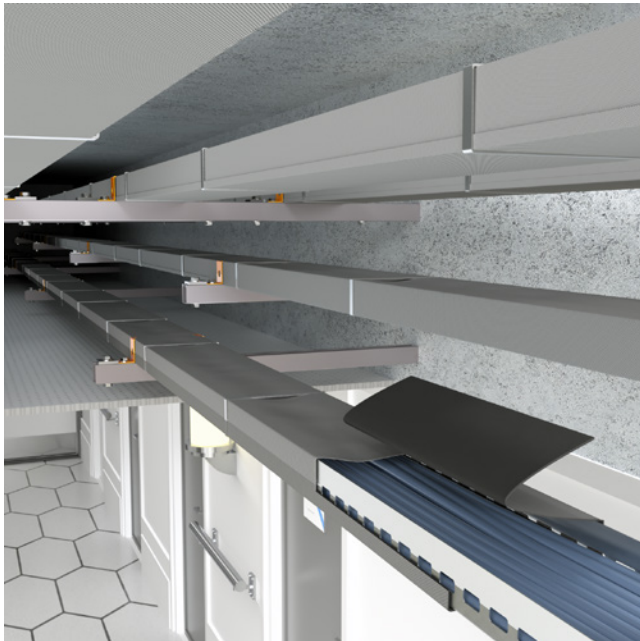


## System DG-CR 0.7

Intumescent fabric for protecting cables and cable systems from fire and other external factors



### Field of Application

- prevents flame spread
- maintains the functional integrity of cables in the event of a fire
- protects cables from external factors
- designed for indoor and outdoor use
- suitable for many different environments, e.g. (nuclear) power plants, electrical substations, production and industrial facilities, infrastructure objects or public buildings.

### Benefits

- Fast intumescent reaction with strong expansion pressure.
- No prior cleaning of cable systems required.
- Convenient subsequent installation of cables without any additional requirements.
- Application with standard tools – no special tools needed.
- No layer thickness measurement required.
- Weatherproof – can be used indoors and outdoors.
- Resistant to moisture, freeze-thaw cycling, UV radiation as well as various oils and chemicals.

### Technical specifications

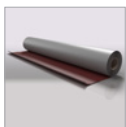
<b>Certificate of usability</b>	ETA-24/0402	
<b>Fire behaviour</b>	Class B-s1,d0	• as per EN 13501-1
<b>Flame spread</b>	Cat. A: 2018 for 120 min.	• as per IEC 60332-3-22 (DNV GL Certificate No. TAE00003BR)
<b>Maintenance of functional integrity</b>	Various tests up to 90 min. for different cable types and voltage ranges	• as per IEC 60331-21
<b>Smoke density</b>	$D_s(4) = 12$ , VOF4 = 31 min., $D_s(\text{max}) = 18$	• as per DIN EN ISO 5659-2
<b>Smoke toxicity</b>	$CIT_G = 0,31$ (Conventional Index of Toxicity) No HCl, HF, HBr or HCN emission	• EN 45545-2 Annex C and ISO 5659-2

# System DG-CR 0.7

## Resistances

<b>Ageing resistance</b>	Ageing does not have an effect on the general properties of System DG-CR 0.7.	
	<b>Artificial ageing without impairment</b> <b>Indoor/outdoor areas:</b> extreme temperature changing from +71 °C to -40 °C, UV radiation and humidity	<ul style="list-style-type: none"> <li>• as per FM 3971</li> <li>• as per EOTA TR024</li> </ul>
	<b>Long-term ageing without impairment</b> The material was stored for 10 years in an indoor area without any resulting changes in its reaction to fire (MPA Braunschweig (notified body 0761), report no. 3224/821/11).	
<b>Weather resistance</b>	Use category X (product suitable for use in areas exposed to weathering).	<ul style="list-style-type: none"> <li>• as per EOTA TR024</li> </ul>
<b>Chemical resistance</b>	Exposure to solvents (butyl acetate, butanol, white spirit and heating oil). Exposure to subsequently applied coatings (acrylic dispersions, alkyd resins, polyurethane acrylic and epoxy resins).	<ul style="list-style-type: none"> <li>• as per EOTA TR024</li> </ul>

## Products



**DG-CR 0.7**

**Fire protection fabric**

Roll, 10 m × 1100 mm – Art. no. 01260110

Roll, 20 m × 1100 mm – Art. no. 01260231




**Metal strap**

100 × 15 mm – Art. no. 01234000

**Sealing clips**

1000 pcs. – Art. no. 01234100

## Design Variants

	<b>Wrapping for entire cable support structures</b>		<b>Wrapping for cables in support structures</b>
	<b>Wrapping for cable systems placed directly on solid components</b>		<b>Wrapping for cable systems fastened with cable holders</b>
	<b>Wrapping for freely suspended cable systems</b>		