

## Brandmeldekabel, Fernmeldekabel / Fire Signal Cables, Telecommunication cables FIREFIT LIHH FE180/PH 90

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### Verwendung:

In covered places where people are densely found:

- Instrumentation and control engineering
- Industrial electronics
- For signal transmission
- Intercommunication systems in buildings
- In safety and fire alarm systems
- In places where human life and valuable materials and equipment need to be protected

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### Aufbau:

- Flame retardant characteristic
- Low smoke emission
- Without poisoned and corrosive gases
- Colour code: DIN 47100
- sheath: EN 50290-2-27 HFFR compound
- Temperature range: -30 °C up to +80 °C

### Application:

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## Technische Daten:

<b>Leiter Werkstoff</b>	IEC 60228, DIN VDE 0295, EN 60228 Class 5 electrolytic stranded copper
<b>Leiterklasse</b>	Klasse 5
<b>Aderisolationwerkstoff</b>	cross-linked ceramic forming polymer compound
<b>Aderkennung</b>	
<b>Verseilung</b>	In layers of optimum pitch
<b>Außenmantelwerkstoff</b>	
<b>Mantelfarbe</b>	RAL 9003 white
<b>Nennspannung [V]</b>	300 / 500
<b>Prüfspannung [V]</b>	2000
<b>Leiterwiderstand</b>	
<b>Isolationswiderstand</b>	
<b>Strombelastbarkeit</b>	
<b>kleinster Biegeradius fest [xd]</b>	7.5xcable
<b>kleinster Biegeradius bewegt [xd]</b>	
<b>Betriebstemp. fest min/max [C]</b>	-30 °C up to +80 °C
<b>Betriebstemp. bew. min/mac [C]</b>	-5 °C up to +70 °C
<b>Temperatur am Leiter max.</b>	
<b>Brandverhalten</b>	
<b>Normen</b>	<ul style="list-style-type: none"> <li>- Insulation Integrity for minimum 180 minutes (FE 180)</li> <li>- Insulation Integrity with mechanical shock (PH 90)</li> <li>- Flame Retardant Test: IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2</li> <li>- Flame propagation: IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24</li> <li>- Smoke density: IEC 61034-2, VDE 0482-1034-2, EN 61034-2</li> <li>- Corrosive Gas test: IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3</li> <li>- Halogen free test: IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1</li> <li>- Circuit Integrity (FE 180): IEC 60331-23</li> <li>- Circuit Integrity with shock (PH 90): EN 50200, VDE 0482-200, BS EN 50200</li> </ul>

## Technical Data:

<b>Conductor Material</b>	IEC 60228, DIN VDE 0295, EN 60228 Class 5 electrolytic stranded copper
<b>Conductor class</b>	Class 5
<b>core insulation</b>	cross-linked ceramic forming polymer compound
<b>core identification</b>	*
<b>stranding</b>	In layers of optimum pitch
<b>outer sheath</b>	*
<b>sheath colour</b>	RAL 9003 white
<b>rated voltage [V]</b>	300 / 500
<b>testing voltage [V]</b>	2000
<b>conductor resistance</b>	*
<b>insulation resistance</b>	*
<b>current carrying capacity</b>	*
<b>min. bending radius fixed [xd]</b>	7.5xcable
<b>min. bending radius moved [xd]</b>	*
<b>working temp fixed min/max [C]</b>	-30 °C up to +80 °C
<b>working temp moved min/mac [C]</b>	-5 °C up to +70 °C
<b>temp at conductor max.</b>	*
<b>burning behaviour</b>	*
<b>Approvals</b>	<ul style="list-style-type: none"> <li>- Insulation Integrity for minimum 180 minutes (FE 180)</li> <li>- Insulation Integrity with mechanical shock (PH 90)</li> <li>- Flame Retardant Test: IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2</li> <li>- Flame propagation: IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24</li> <li>- Smoke density: IEC 61034-2, VDE 0482-1034-2, EN 61034-2</li> <li>- Corrosive Gas test: IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3</li> <li>- Halogen free test: IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1</li> <li>- Circuit Integrity (FE 180): IEC 60331-23</li> <li>- Circuit Integrity with shock (PH 90): EN 50200, VDE 0482-200, BS EN 50200</li> </ul>

## Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
882020075	2 x 0.75	5.00 - 0.5	0.00	4.20
882030075	3 x 0.75	5.5 - 0.5	0.00	5.30
882040075	4 x 0.75	6.00 - 0.5	0.00	6.60
882040150	4 x 1.50	7.00 - 0.5	0.00	9.90
882060075	6 x 0.75	7.1 - 0.5	0.00	9.10

### Kontakt: