

## Brandmeldekabel, Fernmeldekabel / Fire Signal Cables, Telecommunication cables FIREFIT LIHH - TP FE180/PH 90 (Class 1)

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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

[INDEX:20201001SQ]

### Aufbau:

- Flame retardant characteristic
- Low smoke emission
- Without poisoned and corrosive gases
- Fire resistant halogen free cables (VDE 0812)
- sheath: EN 50290-2-27 HFFR compound
- colour code: DIN 47100
- Temperature range: -30°C up to +80°C

### Application:

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## Technische Daten:

Leiter Werkstoff	IEC 60228, DIN VDE 0295, EN 60228 Class 1 electrolytic bare copper
Leiterklasse	Klasse 1
Aderisolationwerkstoff	cross linked ceramic forming polymer compound
Aderkennung	
Verseilung	In layers of optimum pitch
Außenmantelwerkstoff	
Mantelfarbe	RAL 9003 white
Nennspannung [V]	300 / 500
Prüfspannung [V]	2000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	7.5 x d
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-30°C bis +80°C
Betriebstemp. bew. min/mac [C]	-5°C bis +70°C
Temperatur am Leiter max.	
Brandverhalten	
Normen	<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:

Conductor Material	IEC 60228, DIN VDE 0295, EN 60228 Class 1 electrolytic bare copper
Conductor class	Class 1
core insulation	cross linked ceramic forming polymer compound
core identification	*
stranding	In layers of optimum pitch
outer sheath	*
sheath colour	RAL 9003 white
rated voltage [V]	300 / 500
testing voltage [V]	2000
conductor resistance	*
insulation resistance	*
current carrying capacity	*
min. bending radius fixed [xd]	7.5 x d
min. bending radius moved [xd]	*
working temp fixed min/max [C]	-30°C up to +80°C
working temp moved min/mac [C]	-5°C up to +70°C
temp at conductor max.	*
burning behaviour	*
Approvals	<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>

## Kontakt:

## Kabel / Cable

Art Nr. Part No.	Aderm 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
888010100	1 x 2 x1	5.3 - 0.5	0.00	5.10

### Kontakt: