



PYROLINK F HS Enhanced HyperShield®

Fire Alarm, Fire Resistant Cables PH120 FE180 with increased double shielding

Image representative of cable family. Actual cable may vary.

Enhanced type, >120 min when tested acc. BS 8434-2

180min: circuit integrity at 1000°C flame for 180 min at least, acc.to IEC 60331-21

PH120: circuit integrity at 842°C flame + mechanical shock for 120 min at least

30 min: circuit integrity at 842°C flame + mechanical shock + water spray (for last 15 min at least) for 30 min at least

FE180: circuit integrity at 750°C flame for 180 min at least

Halogen Free

HyperShield® technology for better Electromagnetic Shielding, compared to LiHCH, LiH(St)H, JE-H(St)H

APPLICATIONS

SAFETY & SECURITY

STANDARDS AND CERTIFICATES

Standards

CEN/TS 54
EN 50200 + Annex E
IEC 60331-21
EN 60228
EN 50575
Based on CEI 20-105

CPR Class
DOP
ROHS II

Dca s2,d2,a1
1002764
complies

CONSTRUCTION

Conductors
Insulation

Flexible copper class 5
Halogen Free Fire Resistance special compound
Cores stranded
Different colors without repetition
Fire Resistance special tape
aluminum tape + tinned copper braid
Halogen Free Fire Resistance special compound, red

Laying up
Core Identification
Fire barrier
Screen
Outer Sheath

FIRE PERFORMANCE

EN 50200
EN 50200, Annex E
IEC 60331-21 @ 750 °C
IEC 60331-21 @ 1000 °C
BS 8434-2
BS 6387
VDE 0472-814

PH 120min
30min
>180min (FE180)
>180min
>120min (Enhanced)
Cat.CWZ
FE 180min

PYROLINK F HS
Enhanced

ELECTRICAL CHARACTERISTICS

Operation Voltage	300/500 V
Insulation Resistance	>200 Mohm.km
Test Voltage, core-sheath	2 KV AC 1 min
DC Resistance	1,00mm² <19,50 Ohm/km
	1,50mm² <13,30 Ohm/km
	2,50mm² <7,98 Ohm/km
Capacitance, core-core	1,00mm² <120 nF/km
	1,50mm² <140 nF/km
	2,50mm² <170 nF/km

MECHANICAL CHARACTERISTICS

Minimum bending radius	10 x Φ outer sheath
Operation Temperature	-20 C up to +70 C
Standard packaging	3x100m, 1x500m

OUTER DIMENSIONS

No Cores X Cross-section (mm ²)	Approx. Outer Sheath (mm)
2x1,00	8,30
4x1,00	9,30
2x1,50	8,90
4x1,50	10,00
2x2,50	10,10
4x2,50	11,50



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