ACCORDIA
CABLES BEYOND STANDARD

T E C H N I C A L D A T A S H E E T

PYROLINK F HS Dca HyperShield®

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

Image representative of cable family. Actual cable may vary.

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

UV resistant

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

STANDARDS AND CERTIFICATES

CEN/TS 54
EN 50200 + Annex E
IEC 60331-21
EN 60228
EN 50575
Based on CEI 20-105
CPR class Dca s2,d2,a1
DOP 1002710
ROHS II complies

CONSTRUCTION

Conductors Flexible copper class 5
Insulation Halogen Free Fire Resistance special compound
Laying up Cores stranded
Core Identification Different colors without repetition
Screen aluminum tape + tinned copper braid
Outer Sheath Halogen Free Fire Resistance special compound, UV resistant, red

FIRE PERFORMANCE

EN 50200 PH120min
EN 50200, Annex E 30min
IEC 60331-21@750°C >180min (FE180)
IEC 60331-21@1000°C >180min
BS6387 Cat.CWZ
VDE 0472-814 FE180min

ELECTRICAL CHARACTERISTICS

Operation Voltage 300/500V
Insulation Resistance
>200MOhm.km
Test Voltage, core-sheath
2 kV AC 1min
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 (mm2)	Approx. Outer Sheath (mm)
2x1,00	7,40
4x1,00	8,40
2x1,50	8,00
4x1,50	9,30
2x2,50	9,40
4x2,50	11,00