ACCORDIA
CABLES BEYOND STANDARD

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



PYROLINK R HS B2ca 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

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
CPR class B2ca s1a,d1,a1
DOP 1002775
ROHS II complies

CONSTRUCTION

Conductors Pure copper solid class 1 or stranded class 2
Insulation Halogen Free Fire Resistant special compound
Laying up Cores stranded
Core Identification Different colors without repetition
Fire barrier Fire Resistant special tape
Screen aluminum tape + tinned copper braid
Outer Sheath Halogen Free Fire Resistant 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
BS 8434-2 >120min (Enhanced)
BS 6387 Cat.CWZ
VDE 0472-814 FE 180min
DIN 4102-12 E30-E90

ELECTRICAL CHARACTERISTICS

Operation Voltage 300/500V
Insulation Resistance
>200MOhm.km
Test Voltage, core-sheath
2 kV AC 1min
DC Resistance
1,00mm2 <18,10 Ohm/km
1,50mm2 <12,10 Ohm/km
2,50mm2 <7,41 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
6 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	7,30
4x1,00	8,20
2x1,50	8,30
4x1,50	9,60
2x2,50	9,70
4x2,50	11,30