



PYROLINK F B2ca

Fire Alarm, Fire Resistant Cables PH120 FE180

Image representative of cable family. Actual cable may vary.

CPR Class B2ca s1a,d1,a1

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

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

Halogen Free

UV resistant

Based on CEI 20-105

STANDARDS AND CERTIFICATES

CEN/TS 54
EN 50200 + Annex E
IEC 60331-21
EN 60228
EN 50575
Based on CEI 20-105
CPR class B2ca s1a,d1,a1
DOP 1002776
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)
BS6387 Cat.CWZ
VDE 0472-814 FE180min

ELECTRICAL CHARACTERISTICS

Operation Voltage 300/500V
Insulation Resistance
 >200MΩ.km
Test Voltage, core-sheath
 2 kV AC 1min
DC Resistance
 1,00mm² <19,50 Ω/km
 1,50mm² <13,30 Ω/km
 2,50mm² <7,98 Ω/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	6,90
4x1,00	7,90
2x1,50	7,50
4x1,50	8,90
2x2,50	8,90
4x2,50	10,50