



## PYROLINK R (BS 7629-1)

Fire Alarm, Fire Resistant Cables CWZ PH120 FE180

Image representative of cable family. Actual cable may vary.

**Based on BS 7629-1  
(Enhanced 120)**

**BS 6387 Category CWZ  
Cat. C: 950C fire for 180 min  
at least  
Cat. W: 650C fire + water  
spray (15 min + 15 min at  
least)**

**Cat. Z: 950C fire + mechanical  
shock for 15 min at least**

**EN 50200 PH120: 842C fire +  
mechanical shock for 120 min  
at least**

**EN 50200 Annex E 30 min:  
842C fire + mechanical shock  
+ water spray (for last 15 min)**

**IEC 60331-21 FE180: circuit  
integrity at 750C fire for 180  
min at least**

**Full size CPC in direct contact  
with aluminum tape**

### STANDARDS AND CERTIFICATES

Standards

Based on BS 7629-1  
CEN/TC 54  
BS 6387  
EN 50200 + Annex E  
IEC 60331-21  
complies

ROHS II

### CONSTRUCTION

Conductors  
Insulation  
Laying up  
Core Identification

Pure solid copper class 1  
Fire resistant silicon rubber type EI2  
Cores stranded  
2 cores: blue + brown  
3 cores: brown + black + grey  
4 cores: blue + brown + black + grey  
Uninsulated tinned copper conductor,  
same section and class as conductors  
aluminum tape bonded to sheath  
Fire resistant special compound HFFR  
type LTS3, red or white

CPC

Screen  
Outer Sheath

### ELECTRICAL CHARACTERISTICS

Operation Voltage	300/500 V
DC Resistance	1,00mm <sup>2</sup> <18,10 Ohm/km 1,50mm <sup>2</sup> <12,10 Ohm/km 2,50mm <sup>2</sup> <7,41 Ohm/km

### MECHANICAL CHARACTERISTICS

Minimum bending radius	6 x $\Phi$ outer sheath
Operation Temperature	-20 C up to 70 C

APPLICATIONS

SAFETY & SECURITY

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**OUTER DIMENSIONS**

No Cores X Cross-section (mm <sup>2</sup> )	Insulation thick. (mm)	Sheath thick. (mm)	Nominal Outer Sheath (mm)	Appr. Cable weight (kg/km)
<b>2x1,00</b>	<b>0,60</b>	<b>0,90</b>	<b>7,30</b>	<b>75</b>
<b>2x1,50</b>	<b>0,70</b>	<b>0,90</b>	<b>8,40</b>	<b>100</b>
<b>3x1,50</b>	<b>0,70</b>	<b>0,90</b>	<b>9,10</b>	<b>120</b>
<b>4x1,50</b>	<b>0,70</b>	<b>1,00</b>	<b>10,20</b>	<b>150</b>
<b>2x2,50</b>	<b>0,80</b>	<b>1,00</b>	<b>9,90</b>	<b>140</b>
<b>3x2,50</b>	<b>0,80</b>	<b>1,00</b>	<b>10,80</b>	<b>180</b>
<b>4x2,50</b>	<b>0,80</b>	<b>1,10</b>	<b>12,00</b>	<b>220</b>

 Cable is not intended for direct connection to the mains electricity supply.



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