



PYROLINK BS7629-1 Standard

Fire Alarm, Fire Resistant Cables CWZ PH120 FE180

Image representative of cable family. Actual cable may vary.

Based on BS 7629-1
(Standard 60)

Based on Code of Practice
BS 5839-1 Clause 26.2d

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

UV resistant

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

Pure copper solid class 1 or
stranded class 2

Insulation

Fire resistant silicon rubber type EI2

Laying up

Cores stranded

Core Identification

2 cores: blue + brown

3 cores: brown + black + grey

4 cores: blue + brown + black + grey

aluminum tape helically round
(optionally thick aluminum tape bonded
to sheath)

Screen

CPC

Uninsulated tinned copper conductor,

same section and class as conductors

Fire resistant special compound HFFR

type LTS3, UV resistant, red or white

Outer Sheath

FIRE PERFORMANCE

EN 50200

PH 120min

EN 50200, Annex E

30min

BS 6387

Category CWZ

IEC 60331-21

FE 180min

APPLICATIONS

SAFETY & SECURITY

PYROLINK BS7629-1
Standard

ELECTRICAL CHARACTERISTICS

Operation Voltage	300/500 V
DC Resistance	1,00mm² <18,10 Ohm/km
	1,50mm² <12,10 Ohm/km
	2,50mm² <7,41 Ohm/km

MECHANICAL CHARACTERISTICS

Minimum bending radius	6 x Φ outer sheath
Operation Temperature	-20 C up to 70 C

OUTER DIMENSIONS

No Cores X Cross-section (mm ²)	Nominal Outer Sheath (mm)	Appr. Cable weight (kg/km)
2x1,00	6,90	65
2x1,50	8,30	98
3x1,50	9,00	125
4x1,50	9,90	150
2x2,50	9,60	130
3x2,50	10,50	170
4x2,50	11,50	210



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