



ZHR Y120 Pro Fire Alarm Series ENHANCED 120 BS 6387 CWZ

Applications

Primarily used in fire detection and fire alarm systems for building, voice alarm, emergency voice communication, emergency lighting and central battery systems.



Construction

Conductor Material	Bare copper
Insulation Material	Silicone compound, type EI2 to BS EN 50363-1
Overall Shield	Aluminium/Polyester Tape
Drain Wire	Tinned copper, same nominal cross-sectional area as the insulated conductors
Sheath Material	Polyolefin compound, type LTS 3 to BS 7655-6.1
Sheath Color	Red
Core Identification	2 Cores: ● ● 3 Cores: ● ● ● 4 Cores: ● ● ● ●

Electrical Characteristics

Conductor Resistance	BS EN 60228
Working Voltage	300/500V
Test Voltage (AC)	2000V

Physical Characteristics

Physical Characteristics	during and permanent installation 6 x OD
Temperature Rating	Flexing 0°C to +70°C Static -40°C to +90°C

Standards

Design Reference	BS 7629-1
RoHS3, REACH Compliant	Yes
CE Compliant	Yes

	Halogen & corrosive gas:	BS EN 60754-1/2
	Flame retardant:	BS EN 60332-1-2
	Fire propagation:	BS EN 60332-3-24/25
	Smoke density:	BS EN 61034-2
	Circuit integrity:	BS EN 50200 (PH120) BS 8434-2 BS 6387 (cat. C-W-Z)

Part Number	Cores	OD mm	Weight kg/km
1.5 mm² Solid			
SY-Y120PU0215	2	7.8	90
SY-Y120PU0315	3	8.4	110
SY-Y120PU0415	4	9.3	140
2.5 mm² Solid			
SY-Y120PU0225	2	9.0	120
SY-Y120PU0325	3	9.5	150
SY-Y120PU0425	4	10.6	190
1.5 mm² Stranded			
SY-Y120PM0215	2	8.5	84
SY-Y120PM0315	3	8.8	110
SY-Y120PM0415	4	9.8	130
2.5 mm² Stranded			
SY-Y120PM0225	2	9.6	140
SY-Y120PM0325	3	10.3	170
SY-Y120PM0425	4	11.2	210
4.0 mm² Stranded			
SY-Y120PM0240	2	11.2	190
SY-Y120PM0340	3	11.9	240
SY-Y120PM0440	4	12.8	290

*Other dimensions available on request; All dimensions in 100, 200 or 500 m length on drum.