



Construction

Conductor Material	Bare copper
Insulation Material	Silicon compound, type EI2 to BS EN 50363-1
Overall Shield	Aluminium/Polyester Tape
Drain Wire	Tinned copper (0.5 mm ²)
Sheath Material	EN 50290-2-27 HFFR Compound
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

ZHR Y120 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.

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

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