

## MAXXIM FIRE RESISTANT CABLE PH120 DATA SHEET

### Description

Maxxim Fire Multi Core Fire Resistant Cable PH 120



### Application:

Fire Resistant Cables with halogen free compounds are mainly used for installation of fire alarm and emergency evacuation systems, where long term electrical circuit integrity is required under fire conditions, and to prevent unnecessary loss of life and limit property damage. These cables meet the local wiring code in accordance with SANS 10139.

### Construction:

<u>Conductor</u>	:	Plain Annealed Copper Wire Class 1, 2 and 5 in accordance with SANS 1411-1
<u>Conductor Protection</u>	:	Special Fire Resistant Tape wrapping
<u>Insulation</u>	:	Low Halogen Polymer Compound, Colour Coded to DIN VDE
<u>Protection</u>	:	Clear polyester tape 100% coverage
<u>Screen</u>	:	Aluminium polyester laminated tape 100% coverage
<u>Drain Wire</u>	:	Tinned Annealed Copper Wire
<u>Sheath</u>	:	Halogen Free Fire Retardant Polymer, Colour Red Compound Complies to IEC 60092-359(SHF1) and SANS 1411-5 (Zerotox Applications)
<u>Printing (Example)</u>	:	Cab Tech Fire 1.00mm <sup>2</sup> 2 Core Fire Resistant Cable in Accordance with BS EN 50200 Requirements (PH 120Min.)

### Technical Data:

#### Maximum Conductor Resistance @ 20°C - Conductors in accordance with SANS 1411-1:

##### Class 1 (Solid) & 2 (Non Compacted Conductor 7 Strands)

a) 1.00mm <sup>2</sup>	= 18.10 Ω/km
b) 1.50mm <sup>2</sup>	= 12.10 Ω/km
c) 2.50mm <sup>2</sup>	= 7.41 Ω/km
d) 4.00mm <sup>2</sup>	= 4.61 Ω/km

##### Class 5 (Flexible Conductor)

a) 1.00mm <sup>2</sup>	= 19.50 Ω/km
b) 1.50mm <sup>2</sup>	= 13.30 Ω/km
c) 2.50mm <sup>2</sup>	= 7.98 Ω/km
d) 4.00mm <sup>2</sup>	= 4.95 Ω/km

Minimum Insulation Resistance of individual Conductors @ 20°C: 100M Ω/km

Maximum Working Voltage: 300/500V

Fire Resistance: In accordance to BS EN 50200: 2006 test standards, tested by SABS (Test Report available on Request or on our Web Page [www.maxxim.co.za](http://www.maxxim.co.za))

Compliance Standard: Cable complies with SANS 10139

#### End of Data Sheet

Data subject to change without prior notice

This data cancels all previous data

Every effort has been made to ensure the accuracy of this data, do not accept responsibility for any errors or omissions.

