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# ZYRAD<sup>™</sup> 950-STR Single Core

Low Smoke Zero Halogen • Fire Resistant • UV & Ozone Resistant • 450/750V



## Product Description

Zyrad<sup>™</sup> 950-STR is a 450/750V low smoke zero halogen fire resistant cable for use in fixed installations within industrial areas, buildings and similar applications where the continuity of power supply during a fire is required for a defined period of time.

Zyrad<sup>™</sup> 950-STR is designed for laying in metallic conduit or in cable trunking where electrical circuit integrity in the event of fire is of the utmost importance.

## Key Characteristics

- Maintains Circuit Integrity for 120 Minutes (2 Hour Rating)
- Halogen Free with Low Smoke Emission
- Flame retardant
- UV & Ozone resistant

## Cable Construction



### Conductor

Stranded Plain Annealed Copper (IEC 60228 Class 2)

## Flame Barrier Helically Applied Mica Glass Tape

Insulation Extruded XL-LSZH (Crosslinked Low Smoke Zero Halogen) Type EI5 to BS EN 50363-5 / BS 8592

## Colours & Identification

#### Insulation Colour

Available in a range of 11 standard colour and stripe options. Bespoke colours and RAL referencing available.

Print

Product details printed in contrasting colour

## Properties & Standards

Design Standards Generally to BS 8592

Electrical Voltage Rating	450/750	v	
<b>Temperature</b> Max Conductor Temperature Min Installation Temperature	90 0	°C °C	
<b>Physical</b> Minimum Bend Radius	6	x OD	
Fire Performance Fire Resistance Fire Resistance Fire Integrity Fire Resistance Flame Retardance Flame Retardance Halogen Gas Content Gas Acidity Smoke Emission	BS 6387 (Categories C, W, Z) EN 50200 Class PH120 BS 8434-2 IEC 60331-21 IEC 60332-1-2 IEC 60332-3-22 (Cat A)* IEC 60754-1 IEC 60754-2 IEC 61034		

\*Where Volumes Permit

Conductor CSA (mm²)	Max. Conductor Resistance (Ω/Km @20°C)	Current Rating (Amps DC or Single Phase)	Current Rating (Amps AC Three Phase)	Overall Ø (mm)
1.5	12.1	23	20	3.4
2.5	7.41	31	28	4.0
4	4.61	42	37	4.6
6	3.08	54	48	5.2
10	1.83	75	66	6.5
16	1.15	100	88	7.6
25	0.727	133	117	9.4
35	0.524	164	144	10.5
50	0.387	198	175	12.4
70	0.268	253	222	14.1
*95	0.193	306	269	16
*120	0.153	354	312	17.4
*150	0.124	393	342	19.3
*185	0.0991	449	384	22
*240	0.0754	528	450	25
*300	0.0601	603	514	27
*400	0.0470	683	584	31

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