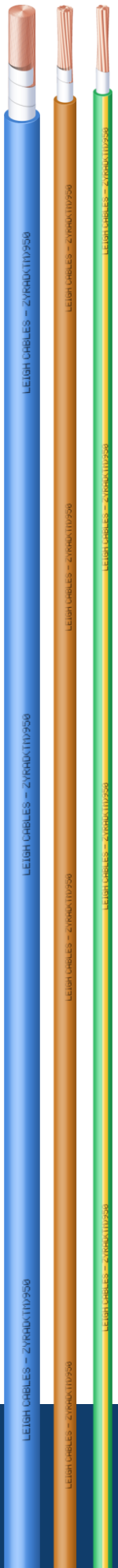
ZYRAD™ 950-STR Single Core

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



Product **Description**

Zyrad™ 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™ 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
Temperature		
Max Conductor Temperature	90	°C
Min Installation Temperature	0	°C
Physical		
Minimum Bend Radius	6	x OD

Fire Performance	
Fire Resistance	BS 6387 (Categories C, W, Z)
Fire Resistance	EN 50200 Class PH120
Fire Integrity	BS 8434-2
Fire Resistance	IEC 60331-21
Flame Retardance	IEC 60332-1-2
Flame Retardance	IEC 60332-3-22 (Cat A)*
Halogen Gas Content	IEC 60754-1
Gas Acidity	IEC 60754-2
Smoke Emission	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