

General Cable Product Data Sheet

Part Number: E2508S

Revision Level: 2

Date: 10/26/2007

8C 18 SOLID BC SR-PVC OAS PVC

Fire Alarm/Life Safety Cable

A. CONSTRUCTION

DIAMETERS

Conductor:	#18 AWG Solid Bare Copper	0.040" nom.
Insulation:	0.010" Wall Semi Rigid Polyvinyl Chloride	0.060" nom.
Cable:	8C @ 2.50" LHL with mylar wrap, AL / PE & # 22 7/30 TC DW	0.205" nom.
Jacket:	0.015" Wall Polyvinyl Chloride - Red	0.235" +/- 0.012"
Print Legend:	CAROL (R) 18 AWG - - E2508S - - TYPE FPLR 75C E66267-8 (UL) - - MADE IN USA (DATE CODE & SEQUENTIAL FOOTAGE 1000' TO 0')	

B. INDUSTRY APPROVALS

National Electrical Code
UL Standard 1424

Article 760
Type FPLR

C. ELECTRICAL PROPERTIES

TEMPERATURE:	75C
SUGGESTED WORKING VOLTAGE (V _{rms}):	300V
CONDUCTOR D.C. RESISTANCE:	6.4 Ohms/1000 ft nom
SHIELD RESISTANCE:	3.9 Ohms/1000 ft nom
MUTUAL CAPACITANCE:	41.11 pF/ft @ 1kHz nom
GROUND CAPACITANCE:	74 pF/ft @ 1kHz nom
CHARACTERISTIC IMPEDANCE:	41.3 Ohms @ 1MHz nom

D. COLOR CODE (Listed as Individual Conductors or Pairs of Conductors)

1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow
7	Violet
8	Gray