

General Cable Product Data Sheet

Part Number: E2542S

Revision Level: 5

Date: 10/26/2007

2C 12 SOLID BC SR-PVC OAS PVC

Fire Alarm/Life Safety Cable

A. CONSTRUCTION

DIAMETERS

Conductor:	#12 AWG Solid Bare Copper	0.081" nom.
Insulation:	0.013" Wall Semi-Rigid Polyvinyl Chloride	0.107" nom.
Cable:	2C @ 2.75" LHL with mylar wrap, AL / PE & # 18 AWG 16/30 TC	0.222" nom.
Jacket:	0.015" Wall Polyvinyl Chloride - Red	0.252" +/- 0.013"
Print Legend:	CAROL (R)12 AWG - - E2542S - - TYPE FPLR 75C E66267-8 (UL) - - MADE IN USA (DATE CODE & SEQUENTIAL FOOTAGE 1000' TO 0')	

B. INDUSTRY APPROVALS

National Electrical Code

Article 760

UL Standard 1424

Type FPLR

C. ELECTRICAL PROPERTIES

TEMPERATURE:	75C
SUGGESTED WORKING VOLTAGE (V _{rms}):	300V
CONDUCTOR D.C. RESISTANCE:	1.6 Ohms/1000 ft nom
SHIELD RESISTANCE:	4.2 Ohms/1000 ft nom
MUTUAL CAPACITANCE:	59.44 pF/ft @ 1kHz nom
GROUND CAPACITANCE:	106.99 pF/ft @ 1kHz nom
CHARACTERISTIC IMPEDANCE:	32.4 Ohms @ 1MHz nom

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

1	Black
2	Red