

FIRE ALARM FPLP 18/2 SOLID SHIELDED CABLE



Cable Detail		
Applicable Standards		
<ul style="list-style-type: none"> • C(UL) listed FPLP • RoHS Compliant (EU) 2015-863 		
Physical Characteristics		
Conductor Material	Solid Bare Copper	
Number of Conductors	2	
AWG	18 AWG	
Stranding	Solid	
Overall Diameter	1/1.02 mm	
Insulation Material	PVC	
Insulation Diameter	1.5 mm Nom.	
Average Thickness	0.23 mm Nom.	
Jacket Material	PVC PLENUM	
Jacket Diameter	3.9 mm Nom.	
Average Thickness	0.38 mm	
Nominal Weight	-- lbs.	
Shielding (Y/N)	Yes (Aluminum Foil)	
Ripcord (Y/N)	Yes	
Drain Wire (Y/N)	Yes (Tinned Copper)	
Insulation Colors		
Black / Red		
Part Numbers	Jacket Color	Package
FC1802SPRD2	Red	1000FT / Reel

Mechanical Characteristics

Operating Temperature	-20°C to + 75°C
Insulation Elongation	≥ 100%
Tensile Strength	≥ 13.79 Mpa
Jacket Elongation	≥ 100%
Tensile Strength	≥ 17.24 Mpa
Aging Condition	100°C ±2°C x 240 hours
	Elongation Retention ≥ 65%
Cold Bend	Tensile Strength Retention ≥ 85%
	-20°C / 4 hours (No Cracking)

Electrical Characteristics @ 20°C

DC Resistance	18AWG: 21.4 Ohms/Km Max.
Voltage Rating	300 V
Voltage Resistance	AC 1.5 KV/60S
Flame Retardance	FPLP

Cable Marking

EXXXXX 18AWG 2/C PLENUM SHIELDED (UL) FPLP
DEVICE/ZONE A B C D E F 1 2 3 4 5 6 7 8 RoHS ****FT

