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## Design Specification

**Part Number: 34854**

**DESCRIPTION:** 18 AWG 3 conductor shielded communications cable Nom. O.D. (in.)

**CONSTRUCTION:**

Conductors:	18 AWG 7 strand bare copper	
Insulation:	0.0073" nominal wall Comflex Plenum PVC	.060
Core Assembly:	3 conductors cabled together with a 2.25" nominal left hand lay	
Shield:	Aluminum/polyester foil tape, helically applied with the foil side out	
Drain Wire:	24 AWG 7 strand tinned copper helically applied over the foil	
Jacket:	0.014" nominal wall White Comflex Plenum PVC	.161
	Parallel ripcord located under jacket	

**COLOR CODE:** Black, White, Red

**SPECIFICATIONS:** UL 13, Power Limited Circuit Cable  
 UL 444, Communication Cables  
 UL 1424 Power Limited Fire Alarm Cable  
 NFPA 262, Plenum Flame Test (UL 910)  
 NEC Article 725, 760 and 800

**CERTIFICATIONS:** UL Listed Type CL3P/FPLP  
 UL and cUL Listed Type CMP  
 California State Fire Marshal Approved

**ELECTRICAL CHARACTERISTICS (@ 1 KHz):**

Capacitance: 70 pF/ft nominal conductor to conductor  
 DC Resistance: 6.79 ohms/Kft nominal  
 Voltage Rating: 300 volts

**SURFACE PRINT:** E111272 (01-12345) 18 AWG SHIELDED CL3P/FPLP (UL) OR  
 CMP C(UL)US RoHS  
 Sequential footage markers every 2 feet

DRAWING	REV.	DATE	DRWN.	APP.	REMARKS	
34854	.06	1/10/13	BC	PA	Drain	<b>34854</b>
4854	.05	06/05/06	2me	RHW	Revise print;add ripcord	
4854	.04	06/07/05	2me	RHW	Revised and Redrawn	
4854	.03	09/23/04	rhw	RHW	Added voltage rating	Page 1 of 1