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## Design Specification

**Part Number: 34857**

**DESCRIPTION:** 18 AWG 6 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:	6 conductors cabled together with a 3" 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	.211
	Parallel ripcord located under jacket	

**COLOR CODE:** Black, White, Red, Green, Brown, Blue

**SPECIFICATIONS:** UL 13, Power Limited Circuit Cable  
 UL 444, Communication Cables  
 UL 1424 Power Limited Fire Alarm Circuit 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: 45 pF/ft nominal conductor to conductor  
 DC Resistance: 6.79 ohms/Kft nominal

**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	
						<b>34857</b>
34857	.06	1/10/13	BC	PA	Drain	
4857	.05	09/26/06	2me	RHW	Add ripcord and Tri rate; Add RoHS to print	
4857	.04	01/30/03	2me	RHW	Revised and redrawn	Page 1 of 1