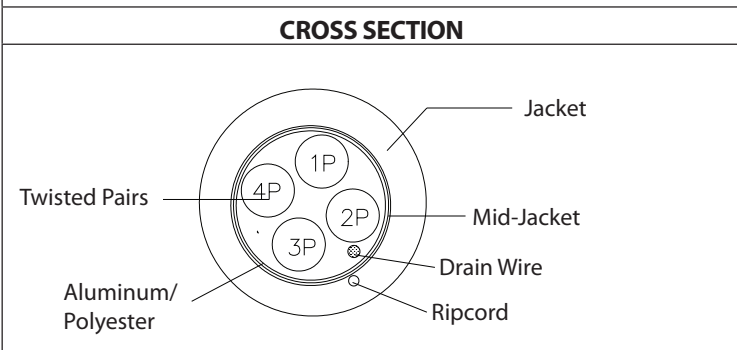


**PRODUCT SPECIFICATION:** Control DM



**MARKING**

**Jacket Marking (Black)**  
 ICE CABLE SYSTEMS CONTROL DM SHIELDED E312434-22 (UL) CM OR c(UL) CMG FT4 75C 24AWG 4PR FPT APP: DATA PHONE ROOM: ENT KIT NK FAM LR DR POWD OFF POO PAT MBR MBA BR1 BR2 BR3 BR4 BR5 GAR GYM OTHER WALL: N S E W JACK: 1 2 3 4 5 6 USE: KPAD TPAD LAN TEL "RoHS" XXXX/XXXXFT (NO UL APPLY) "XXXX/XXXX" Stands for length. eg: 0000/1000; 0004/0996; 0008/0992.... 1000/0000 for Box or 0000/1000; 0004/0996; 0008/0992.... 1000/0000 for Spool

**DESCRIPTION**

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	UL CMR OR c(UL) CMG
Flame test	UL 1685; FT4

**Application:**  
 Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems.

**Reference Standard:** UL 444 & the customer's specification

**CONSTRUCTION**

<b>Component:</b>	Solid Bare Copper
<b>Component: 4 Twisted Pair</b>	8C
AWG	24
Construction (mm)	1/0.55
Solid Dia. (±0.008mm)	0.55
<b>Insulation:</b>	(PE)
Nom. Thickness (mm)	0.25
Insulation Dia. (±0.05mm)	1.05
Mid-Jacket	PVC
Nom. Thickness (mm)	0.355
<b>Outer Dia. (±0.15mm)</b>	<b>4.7</b>
<b>Drain Wire</b>	1/0.40TG
<b>Shield</b>	Aluminum/Polyester Tape, Foil Facing In
Coverage (%)	≥125%
<b>RipCord:</b>	210Dx6 Nylon Thread
Nom. Thickness (mm)	0.41
Outer Dia. (±0.20mm)	6.20

**COLOR**

Component:	P1 Blue & White / Blue P2 Orange & White / Orange P3 Green & White / Green P4 Brown & White / Brown
Jacket	PMS 300U Blue

**PERFORMANCE**

Electrical Characteristics (20°C)

DCR:	≤93.8Ω/KM
DCR Unbalance:	≤5%
Characteristic Impedance:	100Ω±15%@(1~250Mhz)
Mutual Capacitance	17.1 pF/FT Nom.
Propagation Delay (Skew):	45ns/100m MAX.
Velocity of Propagation:	69%
Pair to Ground Capacitance Unbalance:	≤330pF/100m

Final figures conformed up sunfpu sample made and tested.  
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Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (kgf/mm <sup>2</sup> )	≥1.05

  
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Sample No.	-	Spec No.	60315-D
Revision	D		
Date	08/16/2011	Page	1 of 1
Designed by	Approved by		
BR	Brian Rizzo		